

## IVAN C. GARCIA CHACON

### Senior Software Engineer

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#### PROFILE:

- +16 years of total Experience on IT projects
- Very good experience in **Spring, Spring boot, Java**
- Good Experience with **Azure, AWS, Docker, Kubernetes, Microservices, Angular, RESTful Services, WebLogic, Tomcat, JavaScript, HTML5, CSS3**

#### SUMMARY:

- +16 years of IT years and 11 years of experience as a **Java Backend Developer**. Extensively experienced in Software Analysis, Design, Development, Implementation and Testing of Object-Oriented Applications and Web based Enterprise Applications using **Java/J2EE**.
- Experience in working in environments using Agile (SCRUM) and **Test-Driven Development (TDD)** development methodologies.
- Proficient in UI design, developed Front End using JSP, **HTML5, CSS3, JavaScript**, Ajax, JQuery, **Angular**.
- Experiences with Core **Java** with Multithreading, Concurrency, File Handling I/O, Generics, Data Structures and Collections, Garbage Collection.
- Experience on Design Patterns (**J2EE**) like Singleton, Factory, DAO, **MVC**.
- Experience in **Spring** framework (**MVC/ IOC/ ORM/ JDBC/ AOP/ Context, Spring Boot**).
- Experience in developing SOAP based **Web Services** using **Apache CXF** and JAX-WS.
- Experience in using bug/issue tracking, project Tracking and Management tool JIRA.
- Experience working on **Web Services** SOAP & REST, JAX-WS, JAXB, WSDL and UDDI registry.
- Expertise in implementing Service Oriented Architectures (SOA) using XML based Web Service such as SOAP, UDDI and WSDL.
- Involved in designing a fully distributed system with the use of **RESTful API**.
- Understanding of the **DevOps** process with continuous integration using JIRA, GIT, Bitbucket.
- Expertise in developing model components using ORM technologies like Hibernate (Hibernate Template, DAO) to write Database independent persistence logic and to maintain portable relationships between the databases.
- Experienced with **SQL** databases like **Oracle, MYSQL**.
- Proficient in advanced data structures and algorithms with expertise in writing efficient algorithms with minimal time and space complexity.
- Implemented source/ Static code management (SonarQube).
- Experience in **J2EE** Testing in developing test cases with **JUnit, MOCKITO** for Unit testing, and logging using Log4j. Good Experience in **Mock Testing**.
- Experience in using version control and configuration management tools like GIT and SVN.
- Experience in using the tools like Ant and Maven for build automation.
- Experience on microservice implementation and moving to container like docker
- Experience on Changing images for UAT and PROD environments

#### EDUCATION:

- Bachelors in computer science

#### TECHNICAL SUMMARY:

Languages	<b>Java 21, Java 17, Java 11, Java 8, Java 6, JavaScript, PL/SQL, Angular</b>
Technologies	<b>Spring, SOAP and RESTful, Microservices, Spring MVC, Spring REST, Servlets, JMS, JSP, JSTL, Custom Tags</b>

Web Technologies	<b>JavaScript, CSS3, SCSS, Angular</b> framework, Bootstrap, AJAX, <b>HTML5, Java EE.</b>
Frameworks	<b>Spring</b> Boot, <b>Spring</b> Framework 3.x/4.x/5.x, 6.x <b>Spring MVC, Spring REST, Spring Web, Spring JPA, Kafka, Spring WebFlux, Hibernate, Angular</b> Framework, Mockito, Junit.
Database Tools	<b>SQL</b> Developer, <b>MySQL</b> Workbench
Databases	<b>Oracle</b> 9i/11g/19c, <b>MySQL</b> 5, <b>MySQL</b> 8, <b>Mongo</b> DB
Web Services/Specifications	SOAP Web Services (JAX-RPC, JAX-WS), <b>RESTful</b> web services (JAX-RS)
Cloud Technologies	<b>Microsoft Azure, AWS</b>
Version Control	SVN, Bit Bucket, GitHub
IDEs	Eclipse, <b>Spring</b> tool suite (STS) IntelliJ, Netbeans, JDeveloper, Visual Studio Code
Build Tools	ANT various versions, Maven various versions, Graddle various versions
CI/CD Tools	Bamboo, Azure Pipelines, Jenkins
White box Testing	Junit 4, Junit 5, Mockito
Black box Testing	JIRA
Performance Testing	JMeter
ORM Frameworks	Hibernate,, JPA
Methodologies	Agile (XP, Scrum) and SDLC (Waterfall) model
Batch Jobs	Cron, Spring Batch, Temporal

## PROFESSIONAL EXPERIENCE:

**Oportun** California/Us - Guanajuato/Mx  
**Senior Software Engineer**

**Oct'24 – CURRENT**

I work on different micro-services that manage all the transactions during the loan application flow in **Oportun.com**.

### Responsibilities:

- Modified different behaviors in the template registration process in the doc-engine service to decrease the number of times that the services are required
- Implemented a logic change in the loan-app service to avoid unnecessary calls to risk service and save performance
- I configured applications from scratch so I could deploy them in AWS environments by creating different configurations in Terraform.
- I refactored an existent retry flows and implemented them with Temporal IO to avoid locks that were occurring with the previous logic
- I integrated an existing fraud application with a new vendor and implemented tests using Karate framework for that new integration.
- Conducted demo sessions to showcase new changes in modified applications.
- Configured response templating in WireMock to generate dynamic, contextual responses based on specific request payload data.
- Working on giving maintenance to **REST APIs** created using **Hibernate** and **Spring Boot**.
- I generated integration tests in the Karate framework for all my new developments
- Refactored of core logic of Java applications, applying design patterns and good practices in code
- Used the AI tool Microsoft Copilot for the development process of my latest projects.
- Participated in Pull Requests reviews to ensure that code added/changes comply with the standards and stick to the business requirement.
- Participated in **daily scrum** meetings, **retrospective meetings**, and **Sprint Planning** and Defect Triage meetings for on time delivery of business needs.

- Code quality (duplication, and best practices), check style and static analysis through **Codacy** pipelines
- Build/deploy tools such as **AWS**, and Git for Continuous Integration
- Perform pair programming to improve code efficiency and algorithms effectiveness.
- Implemented identification & authorization through JWT token validation
- Created k8s configurations for app deployment in lower envs

**Environment:** Java 21, Java 17, Angular 12, MySQL, MongoDB, Apache Tomcat, AWS, JQuery, Spring, Spring MVC, Gradle, Spring Security, Spring Boot, Spring AOP, Kotlin, Hibernate, SDD, Junit, Mockito, Karate, Terraform, Temporal Framework, WireMock

**Infovision LATAM Irving/Us - Guadalajara/Mx**  
**Senior Software Developer**

**Apr'23 – Oct '24**

I worked mainly on different REST API applications that give the information of the Order Shipments process on **Staples.com**

**Responsibilities:**

- Update of core logic of Java applications, applying design patterns and good practices in code
- Configured Azure environment on cloud for Order Shipments and Service monitor Application
- Refactor existing logic to improve performance and make resources more efficient
- Created terraform configurations for new implemented applications
- Configured Jenkins pipelines for new implemented applications
- Created Flux configuration for deploy kubernetes cluster for lower environments
- Worked on adding new functionalities to existing microservices using **Spring Boot, Java 11** and **Hibernate**
- Participated in Pull Requests reviews to ensure that code added/changes comply with the standards and stick to the business requirement.
- Configured app kubernetes deployment for lower environments using Helm
- Configured Relic Alerts on new Azure applications to obtain messages when the application has latency or an error code is being presented recurrently
- Build/deploy tools such as **Jenkins**, and **Bitbucket** for Continuous Integration
- Issues and bug tracking on Jira

**Environment:** Java 11, Java 17, Cosmos DB, Azure, Microservices, Spring, Spring MVC, Spring Security, Spring Boot, Spring AOP, Hibernate, TDD, Junit, Mockito, Docker Desktop, RabbitMQ, Kafka, Couchbase, Splunk, Kubernetes

**VANCO Minnesota/Us - Cancun/Mx**  
**Senior Software Engineer**

**Jul'22 – Apr'23**

Used **Java 8** as Backend Language for Business Logic and processed the Data from the Frontend, which was developed with **JavaScript, Angular, HTML5** and **CSS3**. I worked mainly on a WEB and REST API application that manage all the payments for the Vanco clients called PMX

**Responsibilities:**

- Worked on adding new functionalities to PMX services using **Spring Boot, Java 8** and **Hibernate**
- Participated in Pull Requests reviews to ensure that code added/changes comply with the standards and stick to the business requirement.
- Added new **REST APIs** endpoints to existing PMX Rest API
- POC to use newer technologies on existing projects

- Configured Azure Application Insights metrics con existing Java applications
- Designed and Developed Web Pages by using **HTML5**, **CSS3**, jQuery, **JavaScript** and using **JavaScript** frameworks such as **Angular 3** and bootstrap.js.
- Code security check with **WhiteSource**(Mend).
- Created Typescript components and services to consume **REST API using Angular**.
- Use **Github Desktop** for code pulls/push.
- Build/deploy tools such as **Jenkins**, and **GitHub** for Continuous Integration
- Encrypted critical Information Password and for more safety Java with MD5 and AES algorithms.
- Used **Hibernate** persistence framework on the backend against Oracle database employee details flow.
- Issues and bug tracking on Jira
- Created flows to integrate Data from various sources into into the app using **Apache CAMEL** and **RabbitMQ** topics and queues
- Implemented security practices against **OWASP** top ten attacks

**Environment:** Java 8, Angular Js, Angular 3, MySQL 5.7.0, Azure, JQuery, Spring, Spring MVC, Spring Security, Spring Boot, Spring AOP, Hibernate, TDD, Junit, Mockito, Docker Desktop, RabbitMQ, Camel

**PEPSICO Monterrey/Mx**  
**Java Developer Leader**

**Jan'20 – Jun'22**

Used **Java** as Backend Languages for Business Logic and processed the Data from the Frontend, which was developed with **JavaScript**, **Angular**, **HTML5** and **CSS3**. I worked on WEB and REST API applications that manage all the benefits that PepsiCo company employees have, but also on many different projects with unique characteristics.

**Responsibilities:**

- Management of development group of 10 people
- Maintenance of existing in-house HR applications (Web)
- Migration of existing projects to newer technologies
- Creation and management of CI/CD pipelines on Microsoft Azure
- Scrum management, Daily scrum meeting, Product backlog tracking on Azure
- Working on rewriting legacy services in **Spring Boot**, **REST APIs** like flexible benefits API, payment receipts API to serve user requests for third party system interaction.
- Designed and Developed Web Pages by using **HTML5**, **CSS3**, jQuery, **JavaScript** and using **JavaScript** frameworks such as **Angular 8** and bootstrap.js.
- Participated in Pull Requests reviews to ensure that code added/changes comply with the standards and stick to the business requirement.
- Led Daily **scrum** meetings, Retrospective meetings, and Sprint Planning and Defect Triage meetings for on time delivery of business needs.
- Code quality (duplication, and best practices), check style and static analysis through **SonarQube** and other plugins.
- Worked with **JavaScript**, **HTML5**, **CSS3**, Bootstrap Testing Plugin in VS Code
- Created Typescript components and services to consume **REST API using Angular**.
- Developed client-side components utilizing **SOA**, **Java** Swing framework and **Spring** Batch.
- Involved in making the application Responsive using **Bootstrap** and using LESS preprocessor.
- Use **GitKraken** for code pulls/push.
- Implemented Employee Replicator/Integration API, check-file-creator, check-file-processor micro services using Microservice architecture and **Spring** Boot, Employee Provisioning API process and connection using REST services.

- Build/deploy tools such as **Microsoft Azure**, and Git for Continuous Integration
- Perform pair programming to improve code efficiency and algorithms effectiveness.
- Implemented identification & authorization through JWT token validation. Implemented OAuth sign-on/sign-up services on **Okta**.
- Work with a team in development and debugging solution and deployment on CI/CD pipeline.
- Encrypted critical Information Password and for more safety Java with MD5 and AES algorithms.
- Internal DB jobs for data analysis using stored procedures and functions within **SQL**.
- Email sender functionality replacement created with Java Mail API, updated from server client to Gmail.
- Used **Hibernate** persistence framework on the backend against Oracle database employee details flow.

**Environment:** Java 8, Java 7, Angular 8, Oracle 19c, WebLogic 12, Microsoft Azure, JQuery, Spring, Spring MVC, Spring Security, Spring Boot, Spring AOP, Hibernate, TDD, Junit, Mockito

**Tagigo** *Monterrey/Mx*  
**Senior Java Developer**

**Jun'19 – Jan'20**

Algorithm design and web programming using **Java** as main technology, DB creation, connection and data processing from backend, front end and back-end connection using JS and **Java**, Bases of new projects in **Spring**.

**Responsibilities:**

- Development of batch file processor with high transactional support +100 Million Records/Day (Java Batch)
- Development of Payment Portal with the CoDi payment system (Web)
- Daily stand-up scrum participation to keep the development on track.
- Developed a batch application to process all Telcel Invoice Information on Spring Batch
- Coordinate the monthly implementation process. Maintain a consolidated implementation plan. Move source code to production servers. For **WebSphere** applications, review edit deployment documents, create appropriate zip files packages and stage for production implementation
- Participating actively in Daily scrum meetings, Retrospective meetings, and Sprint Planning and Defect Triage meetings for on time delivery of business needs.
- Participated in Pull Requests reviews to ensure that code changes comply with the standards and stick to the business requirement.
- Design & development in **Java 8 and 7**, JSP, JSF, **Spring**, IBM WAS & MQ, IBM IIB, jQuery & Bootstrap.
- Designed and implemented the **Oracle** schema
- Unit testing with JUnit to provide code coverage and API Validator.
- Code quality (code smells, duplication, and best practices), check style and static analysis through SonarLint, and other plugins.
- Perform pair & mob programming to improve code efficiency and algorithms effectiveness.
- Developed server-side file processing components utilizing **Spring** Batch for large file numbers.

**Environment:** Java 8, Java 7, Oracle 11g, Websphere, Microsoft Azure, JQuery, Spring, Spring MVC, Spring Security, Spring Boot, Spring AOP, Spring Batch, Hibernate, Junit

The whole process for a benefit administration tool for PepsiCo employees, from creation, to maintenance, using **Spring and Angular 8**.

**Responsibilities:**

- Scrum management, Daily scrum meeting, Product backlog tracking on Azure
- Involved in complete development of Agile Development Methodology/SCRUM, developed, and tested the application during various iterations.
- Interact with business users to understand the requirements and clarify the understandings.
- Implemented responsive UI rich web applications with **HTML5, CSS3, SCSS, Bootstrap** and **Angular** frameworks and used reactive & template driven forms to associate **HTML5** elements to model & provide dynamic user validations on client side.
- Used **Hibernate** persistence framework on the backend against Oracle database for payment receipts PDF generation flow.
- Daily stand-up scrum participation to keep the development on track.
- Participating actively in Daily scrum meetings, Retrospective meetings, and Sprint Planning and Defect Triage meetings for on time delivery of business needs.
- Analyse business requirements to provide solutions based on the underlying architecture.
- Build/deploy tools such as **Microsoft Azure** and Git for Continuous Integration & Deployment for **Microservices**.
- Created build and deployment scripts using **Maven**.
- Develop and implement **REST API** with **Java 7** and **Spring Boot 2** for Car's benefits App API.
- Designed and Developed Web Pages by using **HTML5, CSS3, jQuery, JavaScript** and using **JavaScript** frameworks **Angular 8** and bootstrap.js.
- Unit testing with **JUnit** to provide code coverage and API Validator.
- Worked with **GitKraken** as a version controller for the projects.
- Code quality (duplication, and best practices), check style and static analysis through SonarQube and other plugins.
- Internal DB jobs for data analysis using stored procedures and functions within **PL/SQL**.

**Environment:** Java 8, Java 7, Java 6, Angular 8, Oracle 11g, Weblogic 12, Microsoft Azure, JQuery, Spring, Spring MVC, Spring Security, Hibernate, PLSQL

**Java Development Coordinator**

Project management and coordination, Scrum Management, algorithm design and web programming using **Java** as main technology, DB creation, connection, and data processing from backend.

**Responsibilities:**

- Definition of roadmap for 2 in-house products
- Development from scratch of a product for clients and sales monitoring with the possibility of installing plugins and modules (<https://insightlevel.com/>)
- Development and support of highly transactional applications to process airtime shopping and browsing data consult (ESB and REST API)
- Scrum management, Daily scrum meeting, Product backlog tracking on Jira, Confluence administration for projects
- Led Daily scrum meetings, Retrospective meetings, and Sprint Planning and Defect Triage meetings for on time delivery of business needs.

- Code quality (duplication, and best practices), check style and static analysis through **SonarQube** and other plugins.
- Develop and implement **REST API Microservices** with **Java 8** and **Spring Boot 2** for Balance Consult App API.
- Responsible for creating Class diagrams, Sequence diagrams, Use Case diagrams, Object Model diagrams and deployment diagrams for Payment Modules.
- Ensured user stories were ordered, defined, and ready to be worked by the team
- Ensure all the **Scrum** activities were tracked, kept up-to-date, and reported
- Deployed the application using **J2EE** architecture.
- Created **Mule** flows to integrate Data from various sources into Database from **ActiveMQ** topics and queues and some transformations were also done in the transformation layer
- Created REST API using **RAML** and REST Schema
- Setup **MQ** connections to establish connections between various components
- Designed and developed web pages using HTML and **JSP**, **Spring MVC** pages from **STRUTS** forms and actions for validation of user request data and application functionality.
- Implemented **Spring** Delegate Layer for designing the business layer of the Application.
- Developed programs for accessing the database using **JDBC** thin driver to execute queries, Prepared statements, Stored Procedures and to manipulate the data in the database.
- Worked on Service Oriented Architecture (SOA) such as Web Services using **Apache** AXIS, SOAP engine to expose a method which parses the XML and stores the mapped fields to the database.
- Mapped **Java** Objects to **Oracle** tables using Hibernate mapping files.
- Deployed war file on the WebLogic Application Server Console.
- Involved in bug fixing during the System testing, Joint System testing and User acceptance testing.
- Used SVN for source code control and **JUNIT** for unit testing.
- Involved in peer code reviews and performed integration testing of the modules.
- Code Maintenance and functionalities specialist
- Maven Libraries creation for common code functionalities
- Git Kraken for version control.
- Interact with business users to understand the requirements and clarify the understandings.

**Environment:** Java 8, Java 7, Java 6, Angular 4, Oracle 10g, Apache Tomcat, Wildfly, Jira, Bamboo, Confluence, Bitbucket, JQuery, Spring, Spring MVC, Spring Security, Spring Boot, Spring AOP, Hibernate, Mule ESB 2, Mule ESB 3, JUnit, Mockito

**CITI Monterrey/Mx**

**Apr'12 – Oct'14**

**Java Developer**

Algorithm design and web programming using **Java** as main technology, creation of payment bridge for all Telcel airtime offer

**Responsibilities:**

- Daily stand-up scrum participation to keep the development on track.
- Code quality (duplication, and best practices), check style and static analysis through SonarQube and other plugins.
- Deployed the application using **J2EE** architecture.
- Created **Mule** flows to integrate Data from various sources into Database from **ActiveMQ** topics and queues and some transformations were also done in the transformation layer
- Created REST API using **RAML** and REST Schema

- Setup **MQ** connections to establish connections between various components
- Used **Spring Boot**, to build cloud based Micro services with less configuration.
- Handled modifications in stored procedures, packages, and functions, at the backend and in **PL/SQL** coding both at backend and front end.
- As part of securing the **RESTful** web services we used **Spring** security filters along with a bearer token authentication mechanism using JWT token.
- Created **RESTful Web Services** for integrating with multiple Payment gateways for all Cards.
- Implemented OAUTH 1 (Rest service authentication) in our application to communicate securely with other protected resources by exchanging access tokens for authentication instead of using username and passwords.
- Single Sign On (SSO) authentication is implemented using **Spring** security so that users can sign into a single site and browsers will sign automatically to another cross domain.
- Designed and developed web pages using HTML and **JSP**, **Spring MVC** pages from **STRUTS** forms and actions for validation of user request data and application functionality.
- Developed programs for accessing the database using JDBC thin driver to execute queries, Prepared statements, Stored Procedures and to manipulate the data in the database.
- Worked on Service Oriented Architecture (SOA) such as Web Services using **Apache** AXIS, SOAP engine to expose a method which parses the XML and stores the mapped fields to the database.
- Mapped **Java** Objects to **Oracle** tables using Hibernate mapping files.
- Deployed war file on the WebLogic Application Server Console.
- Involved in bug fixing during the System testing, Joint System testing and User acceptance testing.
- Used SVN for source code control and **JUNIT** for unit testing.
- Involved in peer code reviews and performed integration testing of the modules.
- Code Maintenance and functionalities specialist
- **Maven** Libraries creation for common code functionalities
- **Git Kraken** for version control.

**Environment:** Java 7, Java 6, Angular 2, Angular 4, Oracle 11g, Apache Tomcat, Wildfly, Jira, Bamboo, Confluence, Bitbucket, JQuery, Spring, Spring MVC, Spring Security, Spring Boot, Spring AOP, Hibernate, Mule ESB 2, Mule ESB 3, Junit

**Quality Post** *Monterrey/Mx*  
**Java Developer**

**Aug'09 – Apr'12**

Used **Java** as Backend Languages for Business Logic and process the Data obtained from GPS through a connection with a REST API

**Responsibilities:**

- Worked with Data retriever functionalities for new projects template using **Java** and **JDBC**.
- Interact with business users to understand the requirements and clarify the understandings.
- Implemented responsive UI rich web applications with **HTML5**, **CSS3**, **SCSS**, Bootstrap and **Jquery** frameworks and used reactive & template driven forms to associate **HTML5** elements to model & provide dynamic user validations on client side.
- Used **JavaScript** for Client-Side validation in **JSP** pages.
- Worked on Installing and configured **Tomcat Server**.
- Development of API services for communication with GPS and download geographic coordinates using **Java 6** and **Apache Axis**
- Worked with **TortoiseSVN** as a version controller for the projects.

- Development of delivery route tracking portal to enable real-time tracking to end users using **Google Maps API** to show Real Time location from device.
- Created landing page for app website using PHP, **JavaScript**, **HTML5**, Bootstrap and **CSS3**
- Jobs monitoring for Data process and update using **Java 6**.
- Project creation and configuration using **NetBeans**
- Development of a system for dispatch delivery pieces and administration of postal items on **Java 6**, **Swing** and **JSP**

**Environment:** Java 6, MySQL, Apache Tomcat, Glassfish, jQuery, Spring, Struts, Hibernate, Axis

**VITRO Monterrey/Mx**

**Jan'08 – Aug'09**

**Java Analyst**

Responsible for creating Class diagrams, Sequence diagrams, Use Case diagrams for current and new applications

**Responsibilities:**

- Responsible for creating Class diagrams, Sequence diagrams, Use Case diagrams, Object Model diagrams and deployment diagrams using Rational Rose for migration modules.
- Designed and implemented an **Oracle** schema
- Working on rewriting legacy services in **Java 6**, **Spring 3**, and **Struts**.
- Developed client-side components utilizing **Java** Swing framework.
- Developed Business Logic with **Java** for Service consumptions and Service handlers.
- Maintained and debugged existing Java 6 applications.
- Resolved application and connectivity problems in **Java** programs
- Development of an internal portal for process flow control, obtaining real- time visibility of the area where a part was located Development of an internal application for printing CAD drawings on **Java 6**, **JSP**, **JDBC**
- Development of a system to estimate the effort in production lines with which manufacturing budgets were improved and areas with high manufacturing costs were detected **Java 6**, JSP, JDBC
- Analyse business requirements to provide solutions based on the underlying architecture.
- Perform pair programming to improve code efficiency and algorithms effectiveness.
- Used **SVN** for source code control

**Environment:** Java 6, Oracle, Apache Tomcat, jQuery, Spring, JSP, JDBC