

# Hector Olea

## Full Stack Developer

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📍 Aguascalientes, Mexico

## Tecnologies

Java, Spring Boot, JavaScript, React, Angular, TypeScript, Node.js, Python

### Cloud & Database

Walmart Cloud Native Platform, Oracle, Postgres, MongoDB

### APIs & Tools

RESTful, Kafka, Kubernetes, Docker, JPA, JUnit, Mockito, GraphQL, Redux, TanStack Query, Bootstrap, Tailwind CSS, Graphite, Grafana, Splunk, Service Now, Jenkins, Maven, Gradle, Git

### Architectures & Methodologies

Microservices, Hexagonal Architecture, Event-Driven Architecture, Domain-Driven Design, Clean Code, Test-Driven Development, Test Pyramid, Agile, Scrum, DevOps

## Languages

English – Fluent

Spanish – Native/Bilingual

Full Stack Developer specialized in **Java and microservices**. Experienced in delivering testable, maintainable software with a hands-on approach to clean code, pyramid testing, and DevOps practices. Proficient in **Spring Boot, Kafka, Event-Driven Architecture, and React/Angular**.

## Experience

### Full-Stack Developer, Capgemini

Oct 2024 – Jan 2025 | Aguascalientes, Mexico

- Supported and maintained an Insurance Angular application backed by two Java-based microservices.
- Refactored 30% of the Java codebase to align with Spring Boot best practices, improving maintainability and scalability.
- Introduced JUnit testing to the microservices, increasing code coverage from 0% to 20% and enhancing overall code quality and reliability.

### Software Engineer, IBM

Dec 2023 – Mar 2024 | Aguascalientes, Mexico

- Supported a Financial Analytics application, ensuring its stability and performance.
- Resolved incidents and tasks efficiently using ServiceNow, addressing user-reported issues and implementing timely solutions to minimize downtime.

### Full-Stack Developer, IBM

Jan 2023 – Nov 2023 | Aguascalientes, Mexico

- Developed a microservice for Banking application to merge customer database information using an SSN identifier.
- Enhanced microservices responsible for storing case and product information by adding new features, increasing functionality and user satisfaction.
- Implemented initial tests for existing microservices, enhancing reliability.

### Full-Stack Developer, Softtek

Sep 2020 – Dec 2022 | Aguascalientes, Mexico

- Maintained, supported, and developed new features for 15 microservices built with Spring Boot and Node.js, ensuring high performance and scalability.
- Automated daily support tasks by creating bash and Python scripts, improving efficiency and reducing manual effort.

## Education

### Computer Systems

**Engineering,** Instituto  
Tecnológico de Acapulco  
2003 – 2008 |  
Acapulco, Mexico

## Certifications

Scrum Fundamentals  
Certified

Java EE 6 Web Component  
Developer Certified Expert

Oracle Certified  
Professional, Java SE 6  
Programmer

- Successfully migrated to the Walmart Cloud Native platform, achieving cost reduction, faster deployment, auto-scaling, and enhanced maintainability.
- Migrated Event Hubs and Armory to Apache Kafka, improving service resilience and minimizing event loss.
- Implemented fault-tolerant approaches for HTTP clients and databases, ensuring system reliability under high loads.
- Resolved critical vulnerabilities by upgrading the Spring Boot version, updating Docker base images, and modernizing project dependencies.

### Site Reliability Engineer, Softtek

Aug 2017 – Sep 2020 | Aguascalientes, Mexico

- Automated repetitive processes in Airline Company to streamline operations, reducing manual effort and improving efficiency for the operations team.
- Developed Python and bash scripts to automate services to enhance monitoring and reporting capabilities.
- Designed and implemented REST APIs to automate incident management in ServiceNow, reducing response times and improving workflow efficiency.

### Java Web Developer, Softtek

2015 – 2017 | Aguascalientes, Mexico

- Supported and Maintained an Invoicing application capable of retrieving transactions from plain text files via FTP interfaces, ensuring seamless data integration and processing.
- Optimized SQL queries and PL/SQL procedures in an Oracle database, improving query performance and system efficiency.
- Implemented SQL Loader to rapidly load and save thousands of transactions, enhancing data processing speed and reducing manual effort.

### Java Web Developer, INEGI

Mar 2010 – May 2015 | Aguascalientes, Mexico

- Maintained and supported the SIMBAD database system, which housed census data for Mexico, ensuring accuracy and optimal performance.