

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 – Proficient

Spanish – Native/Bilingual

Certifications

Scrum Fundamentals Certified

Java EE 6 Web Component Developer Certified Expert

Oracle Certified Professional, Java SE 6 Programmer

Highly experienced Full Stack Developer specializing in Java-based technologies and microservices architecture, with over 12 years of expertise in the IT industry.

Proven ability to deliver robust, maintainable software through clean code, comprehensive testing (test pyramid), and integrated DevOps practices for rapid, reliable releases.

Skilled in Agile methodologies (Scrum, Kanban) to drive collaborative, adaptable, and continuously improving teams.

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

- 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

- 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.