

Hector Olea

Full-Stack Developer

🔗 hectorolea.dev

☎ +52 449 222 4412

✉ hey@hectorolea.dev

📍 Aguascalientes, Mexico

Tecnologies

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

Cloud & Database

WCNP, GCP, Oracle, Postgres, MongoDB, H2

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, Domain-Driven Design, Clean Code, Test-Driven Development, Test Pyramid, Agile, Scrum, DevOps, CI/CD

Languages

English – Proficient

Spanish – Native/Bilingual

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

As a **full-stack developer with a DevOps mindset**, I enjoy discovering new technologies, programming languages, frameworks, and software architectures.

My focus is on delivering **highly maintainable and testable software**. I bring expertise in **clean code principles**, the **test pyramid**, and **hexagonal architecture**, ensuring that my applications are modular, scalable, and easy to debug. I also integrate **DevOps practices** to streamline development and deployment pipelines, enabling faster and more reliable releases.

Additionally, I am familiar with **Agile methodologies** such as **Scrum** and **Kaban**, fostering collaboration, adaptability, and continuous improvement within teams.

Experience

Full-Stack Developer, Capgemini – Metlife

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 – D&B

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 – Discover

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 – Walmart

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.

Courses

Microservices: Clean

Architecture, DDD, SAGA, Outbox & Kafka

Apache Kafka for Developers using Spring Boot

Java Developer Professional Certification Course 11 and 17

Master Java Web Services and RESTful API with Spring Boot

Master Java Unit Testing with Spring Boot & Mockito

Master Hibernate and JPA with Spring Boot in 100 steps

Go Java Full Stack with Spring Boot and React

React: From scratch to expert (Hooks y MERN)

Angular: From scratch to expert

TanStack Query: A powerful asynchronous state manager

GraphQL with React: The Complete Developers Guide

Node with React: Fullstack Web Development

- Automated daily support tasks by creating bash and Python scripts, improving efficiency and reducing manual effort.
- 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 - Southwest Airlines 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 - General Electric 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.