

## Professional Experience

### IBM - D&B, Software Engineer

Dec 2023 - Mar 2024

- Supported and maintained a Financial Analytic application.
- Attended incidents/tasks raised at ServiceNow.

### IBM - Discover, Full Stack Developer

Feb 2023 - Jul 2023 | Aguascalientes, Mexico

- Developed microservice to merge related customer database information given an SSN identifier.
- Added features to microservices in charge of storage cases and product information.
- Applied Sonar suggestions in preexisting microservices to achieve software components with quality.
- Added Unit Tests to preexisting microservices to achieve software components with quality.

### Softtek - Walmart, Full Stack Developer

Sep 2020 - Dec 2022 | Aguascalientes, Mexico

- I have maintained, supported, and developed new features to a set of 15 microservices made with Spring Boot and NodeJS.
- Created bash and python scripts for daily basis support tasks.
- Migrated to Walmart Cloud Native platform. Achieved reducing costs, deployment time, auto-scaling, and getting maintainable.
- Migrated Event Hubs and Armory to Apache Kafka to achieve resilient services and reduce missing events.
- Added fault-tolerant approaches for HTTP clients and databases.
- Reduced technical debts on microservices to become the top 1 of 100 teams with DevOps best practices.
- Achieved learning the hexagonal architecture, test pyramid, clean code practices, and a DevOps mindset.
- Fixed critical vulnerabilities by upgrading the old spring boot version to the latest version, changing the docker-base images, and upgrading project dependencies.

## Hector Olea

### Full Stack Developer

+52 449 222 4412

hectorolea.dev

hey@hectorolea.dev

Aguascalientes, Mexico

## Skills

### Backend

● ● ● ● ●

Java, Spring Boot, Microservices, REST APIs, Python, Node JS, Oracle Database, PLSQL, Spring Data JPA, Apache Kafka, JUnit, Mockito, MongoDB, Maven, Gradle, Mocha, Chai, GraphQL

### Frontend

● ● ● ● ●

React + TypeScript, Redux, Hooks, HTML, CSS, Bootstrap, Jest, JavaScript

### DevOps

● ● ● ● ●

Kubernetes, Docker, Github, Jenkins, Sonar, Bash scripting, GNU/Linux, CI/CD

### Soft Skills

● ● ● ● ●

Teamwork, Problem-solving, Adaptability, Collaborative learning, Integrity, Motivation, and Responsibility

### Monitoring

● ● ● ● ●

Graphite, Grafana, X matters, Spotlight, Service Now

### Misc

● ● ● ● ●

Agile, Scrum, Test Pyramid, Hexagonal Architecture, Test-Driven Development, Domain-Driven Design, SOLID Principles, Clean Code, DevOps

- Added application authentication approach over creating, updating, and deleting endpoints for microservices involved, through Service Registry and Service Mesh. Finally, It generated proper HTTP headers and auth signatures.

### **Softtek – Southwest Airlines,** *Site Reliability Engineer*

Aug 2017 – Sep 2020 | Aguascalientes, Mexico

- Automated processes to eliminate toil activities for the operations team.
- Developed python and bash scripts to auto-healing services, Grafana dashboards inventory for Confluence, Monthly Reports and, posted metrics to Graphite.
- Monitoring Tivoli jobs in a dynamic dashboard made with Spring boot and React JS to detect issues early.
- Created REST APIs to automate Service Now's incidents.
- Automated manual tasks using image recognizer (Sikuli) for legacy applications made in C.

### **Softtek – General Electric,** *Java Web Developer*

2015 – 2017 | Aguascalientes, Mexico

- Maintained an application able to retrieve transactions from text plain files through FTP interfaces.
- Supported and monitored a complex core made in Java multi-threaded that was processing more than 400k transactions once a month.
- Tuned SQL queries and PLSQL procedures in the Oracle database.
- Implemented SQL Loader to load and save thousands of transactions in seconds.

### **INEGI, Java Web Developer**

2012 – 2015 | Aguascalientes, Mexico

- Developed and maintained the State and municipal database system (SIMBAD) that displayed the census information from Mexico.
- Developed a portable installer for the SIMBAD. To be installed in several States of Mexico and share statistics between them.

## **Languages**

---

English	● ● ● ● ●
Spanish	● ● ● ● ●

## **Certificates**

---

Scrum Fundamentals Certified •  
Java EE 6 Web Component  
Developer Certified Expert •  
Oracle Certified Professional,  
Java SE 6 Programmer

## **Courses**

---

**Microservices: Clean  
Architecture, DDD, SAGA,  
Outbox & Kafka, Udemy**

**Apache Kafka for Developers  
using Spring Boot, Udemy**

**Node with React: Fullstack Web  
Development, Udemy**

**Go Java Full Stack with Spring  
Boot and React, Udemy**

**Master Hibernate and JPA with  
Spring Boot in 100 steps, Udemy**

**Master Java Web Services and  
RESTful API with Spring Boot,  
Udemy**

**Master Java Unit Testing with  
Spring Boot & Mockito, Udemy**

**SOLID principles: Introducing  
Software Architecture &  
Design, Udemy**

**React: From scratch to expert  
(Hooks y MERN), Udemy**

## **INEGI, Delphi/Visual Basic Developer**

Mar 2010 – Dec 2011 | Aguascalientes, Mexico

- Supported and maintained an Interpreter of questionnaires able to load XML definitions to create UI components, SQLite databases, and resources in real-time.
- Developed simulators to train the operative figures in the population census 2010.
- Trained and supervised operative figures of the population and housing census.

## **Education**

---

**Instituto Tecnológico de**

**Acapulco,**

*Computer Systems Engineering*

2003 – 2008 | Acapulco, Mexico