

## Professional Experience

### Software Engineer, IBM - D&B

Dec 2023 - Mar 2024

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

### Full Stack Developer, IBM - Discover

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.

### Full Stack Developer, Softtek - Walmart

Sep 2020 - Dec 2022 | Aguascalientes, Mexico

- I have maintained, supported, and developed new features to a set of 15 microservices made with Sprint 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.
- 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.

# Hector Olea

## Full Stack Developer

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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, React Query

### 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, Xmatters, Spotlight, Service Now

### Misc

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

## Languages

English - Proficient

Spanish - Native/Bilingual

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

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.

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

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.

## **Java Web Developer, INEGI**

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.

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

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.

## **Certificates**

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

## **Education**

### **Computer Systems Engineering, Instituto Tecnológico de Acapulco**

2003 - 2008 | Acapulco, Mexico

## **Courses**

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

### **Master Java Web Services and RESTful API with Spring Boot**

### **Apache Kafka for Developers using 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)**

### **React Query: A powerful asynchronous state manager**

### **GraphQL with React: The Complete Developers Guide**

### **Node with React: Fullstack Web Development**

### **SOLID principles: Introducing Software Architecture & Design**