

Professional Experience

IBM, Full Stack Developer

Jan 2023 – present | 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, 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 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.

Softtek, Site Reliability Engineer

Aug 2017 – Sep 2020 | Aguascalientes, Mexico

- Automated processes to eliminate toil activities for the operations team.

Hector Olea

Full Stack Developer

☎ +52 449 222 4412

🖱 hectorolea.dev

✉ hey@hectorolea.dev

📍 Aguascalientes, Mexico

Skills

Backend

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

Frontend

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

DevOps

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

Soft Skills

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

Monitoring

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Graphite, Grafana, X matters, Spotlight, Service Now

Misc

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

Languages

English

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Spanish

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- 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, 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 a municipal database system (SIMBAD) that displayed the Censuses information from Mexico.
- Developed an installer to do SIMBAD portable.

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.

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*

Education

Instituto Tecnológico de Acapulco,
Computer Systems Engineering
 2003 - 2008 | Acapulco, Mexico