LUIS ALBERTO ZACARIAS DANIEL

BACHELOR DEGREE IN COMPUTER SCIENCE ENGINEERING

22-12-39-43-23

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Check my portfolio

I am Mr. Luis Alberto, I am about to graduate with a degree in Computer Science Engineering. Currently, I am in my final semester of the program. I have experience as a backend programmer in Java and Node.js. Additionally, I am working on freelance projects involving microservices using Spring Boot, and I have experience in cloud computing.

EDUCATION

Bachelor Degree in Computer Science Engineering,

Benemérita Universidad Autónoma de

Puebla, MX, 2023

Technical Bachelor Degree in Programming

CETis No. 67 "Daniel Cabrera Rivera", MX,

2017

CERTIFICATION & TRAININNING

Full Java Master from zero to expert 2023 - Udemy

Academy AWS - Faculty of Computer Science, BUAP

OCI Foundations Associate (2023) - Oracle

SOFT SKILLS

Engagement	Critical thinking
Honesty	Adaptability
Teamwork	Creativity

KEY SKILLS

- Java
- Java SE
- Java EE
- Spring Boot
- Spring Data
- Spring Cloud (RestTemplete, resilience4j, eureka, zipkin, sleuth)
- Testing (Junit, Mockito)
- Maven
- NodeJs (Express, ORM, Security, Jest)
- SQL/No-SQL - Mongo DB
- Git version controller
- Docker
- ReactJS (Redux, Router)
- HTML, CSS

LANGUAGES

English - Basic
French - Basic
Spanish - Fluent

EXPERIENCE / PROJECTS

Java Backend Developer (microservices)

Freelancer, Mexico | May 2023 – Sep 2023
Project name: Warehouse Management System

The project consists of the consultation of stored products, where we can register new products and based on this, we can insert them into an inventory with their quantity and a sku code for your query, with a communication between the microservices is consulted if there is stock.

Contributions:

- API GATEWAY management for service registration
- Use of the Eureka server
- For debug use sleuth and zipkin
- Managing the circuit breaker pattern with Resilience4j
- Communication between microservices
- For security I used keycloak, OAuth2 and Spring security
- We use grafana and prometheus for monitoring
- Docker for services such as keycloak, zipkin, grafana and prometeus

Tools: Java 11, Eureka, Spring Security, Sleuth, MongoDB, MySQL, Docker

MERN Stack Developer

BUAP | Aug 2022 – Aug 2023
Project Name: Blog System, FCC

In my university I work in my faculty, I developed a blog system on the MERN stack, it is a blog where users talk about computer- related topics and can access many actions.

Contributions:
- Building queries up in an UI development environment.
-Constructing a rest API with expressJS and mongoDB
-User friendly graphical interface construction with ReactJS
-Security with JWT
-Function I forgot my password
-Using cloudinary for uploading. png, jpg and webp.
-Deployment of the server in an AWS EC2 instance
-AWS EBS storage handling for EC2 instance
   -Added multiple dependencies on the frontend for use as: tailwind, materialUI, react-select, swiper and styled components.
-Implementation of actions such as create, edit, delete and consult all blogs
-Search engine management
-Additional actions such as: comment blog, like blog, follow users
-Implementation of dashboard to filter information
-Frontend state management with Redux dependency

Tools: NodeJS, ReactJS, AWS, Mailtrap, Cloudinary, MongoDB, Redux

Java Backend Developer (microservices)

Freelancer, Mexico | Dec 2022 – Apr 2023
Project name: Consult Hotel

In this project we applied the microservices architecture with Spring Boot, it is a blog project where users can register, users create a hotel with their description and name, other users can give rating and comment about their experience. You have two roles, admin and user, where admin will have access to actions such as removing hotel posts or users who non-compliance the Terms and Conditions

Contributions:
-Implementation of a API Gateway for services
-Multiples instances with load balancer
-Communication between microservices with OpenFeign
-Implementation of circuit breaker
-JWT authentication for users and administrators
-Configuration management via a service and GitHub
-Eureka server for service registration.

Tools: Spring Cloud, Spring Security, Resilience4j, Eureka, Mysql, MongoDB, PostgreSQL

NodeJS Developer

Freelancer, Mexico | May 2022 – Dic 2022
Project name: Clients - Products

This project consists of an API with GraphQL architecture designed so that customers registered in a store can buy products, these orders will be registered in a MongoDB database, as well as products and users, each user can have more than one order and their order can have more than one product, the API communication is achieved through an Apollo server in NodeJS, we implement security so that only those authenticated with JWT can do all the actions.

Contributions:
- API implementation with GraphQL
- Security applied with JWT
- Create new users with JWT so you can insert your own customers
- Building typeDefs and resolve for data flow
- Deployment was done with AWS EC2 services

Tools: NodeJS, GraphQL, Apollo Sever, JWT, AWS