






Sergio Bernal

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EXPERIENCE

Telus International Digital Solutions

Typescript & AWS Developer

07/2023 – Present

- Responsible for developing and creating technical solutions using Typescript and AWS to maintain serverless applications using Lambda functions and Cloudwatch logs and events.
- Create and update software documentation with tools such as Confluence and Swagger.

Universidad de Oriente

Systems Engineer Professor

06/2023 – Present

- Build and implement interesting and interactive learning mediums to increase student of course materials.
- Lecture 40+ students in Calculus, Differential Equations, Data Structures, and Software Architecture to improve their analysis and problem-solving skills.

Applaudo

Node Developer

10/2021 – 06/2023

- Maintained and developed new features for the Grocery Shopii platform, integrating with multiple E-Commerce platforms in the US.
- Worked with different AWS tools, for deployment, management, and maintainability while implementing and deploying new features using NestJS, GraphQL, Serverless, and AWS CloudFormation.
- Assisted the development team in delivering on time and improving the code quality and performance of the platform through code reviews and retrospectives following the best practices.

Applaudo

Software Engineer Intern

06/2021 – 09/2023

- Worked with NestJS building and designing REST APIs with different difficulty and complexity levels.
- Collaborated with several teams applying agile methodologies.
- Participated in different Scrum ceremonies, helping teams define requirements for new features or improvements to their codebase.

Academic Background

Universidad de Oriente

Bachelor of Science in Systems Engineering

Universidad de Oriente

Algebra Course from Faculty of Engineering and Architecture

Instituto Nacional Ernesto Flores

Commercial Vocational Technical Baccalaureate

AWARDS/EXTRACURRICULAR

Top 5 of CONINFO 2019

ASPROC

Winner of the National DIES (Internet Day in El Salvador)

Connection

Speaker at 3rd Research Day

UNIVO

TECHNICAL SKILLS

Programming Languages

- Javascript, Python, Kotlin, Typescript, Rust

Web

- HTML, CSS, Javascript, LATEX

Operating Systems

- Linux (Debian-based), MacOS, Windows (10 or higher)

Frameworks and Technologies

- Express, Node.js, React.js, Mongoose, Sequelize, TypeORM, NestJS, Serverless, Prisma, Apollo Server, Redux, GraphQL, Protobuf

Cloud and Infrastructure

- Heroku, Vercel, OAuth, Auth0, AWS, NorthFlank

Databases

- PostgreSQL, MongoDB, MySQL, Redis, RDS, AuroraDB, DynamoDB

Development tools

- Nvim, Zsh, VSCode, pgAdmin4, Robo3T, Postman, DBeaver, Insomnia, Docker, Bash

Version Control Tools

- Github, Bitbucket, Gitlab, Codecommit

Concepts, Methodologies, and Docs

- OOP, MVC, OpenAPI, REST, Serverless, Microservices, SOA, SCRUM, Kanban

CI/CD

- Bitbucket Pipelines, Husky, Github Actions

Certificates

Software Development Fundamentals

Microsoft Technology Association

LFS141x: Exploring GraphQL: A Query Language for APIs

The Linux Foundation

Web Accessibility Basics

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