

EINAR JHORDANY SERNA VALDIVIA

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Full-Stack Developer

PROFILE

As a programmer with six years of experience in the development of software applications, I possess expertise in the full software development life cycle, from requirements elicitation and design to coding, testing, implementation, and maintenance. I have a strong track record of delivering quality technical and business solutions and engaging with customers effectively.

I have extensive experience and high productivity in developing software using a range of programming languages, including Javascript, Typescript, Node.js, T-SQL, Python, etc. Additionally, I am proficient in working with AWS Lambdas and EC2 Cloud Backend Services, and possess a strong foundation in cybersecurity and databases.

OBJECTIVE

I am seeking a challenging Full-Stack developer position that will enable me to utilize my technical and analytical skills to design and develop innovative software solutions. I am passionate about staying up-to-date with the latest trends and technologies in the field and am committed to continuous learning and growth.

EDUCATION

CENTER FOR RESEARCH IN MATHEMATICS A.C. (CIMAT)

Master in Software Engineering (Pending)

Zacatecas, Zac

2019-2021

TECNM GUANAJUATO

Computer Systems Engineer

Guanajuato, Gto

2015-2019

RELEVANT PROFESSIONAL EXPERIENCE

GOVERNMENT OF GUANAJUATO

Geographic Database Specialist

Guanajuato, Gto

JAN 2022 - Present

As a Geodatabase Specialist, I am responsible for designing, developing, and testing complex web applications using the latest technologies. My primary focus is on using React as the primary frontend framework for **JavaScript** and **TypeScript**, linked to a **Python** based **REST API** using the **Flask** framework, which connects to a **PostgreSQL** database. This approach has helped to eliminate the use of **XLSX** files and significantly reduce processing time. Additionally, I am responsible for maintaining the department's database and addressing various IT-related issues.

AMERICAN AXLE

Data Analyst Support

Silao, Gto

MAR 20201 - DEC 2021

In my role as Data Analyst Support, I worked with several technologies, including the .Net Framework and Entity Framework using the **C#** language. I specialized in linking **SQL Server** databases using stored procedures for data interpretation and queries to facilitate decision-making. I was also responsible for maintaining **AWS Lambdas** functions developed using **JavaScript**, connections, and queries to **DynamoDB**, as well as working with **BitBucket**.

CIMPS

Backend Developer

Zacatecas, Zac

SEP 2019 - JAN 2021

As a Backend Developer, I was responsible for providing maintenance and support to web applications developed using **PHP** and databases in **MariaDB** and **PostgreSQL**. I also created endpoints and scripts using **Python** to manage, analyze, and secure data and files, and integrated them with existing applications. Additionally, I consumed data from various database sources and worked with them as needed.

TECNM GUANAJUATO

Full-Stack Developer

Guanajuato, Gto

FEB 2017 - DEC 2018

As a Full-Stack Developer, I was responsible for the entire software development process, including requirements gathering, design, software architecture analysis, implementation, development, testing, deployment, and support based on stakeholder needs. I used **React** and **React Native** **JavaScript** for both web and mobile platforms using also **Node.js**, connecting to a **NoSQL** **Firebase** database as a service for a polling application used for both elections and student population consensus in real-time. Additionally, I provided support and maintenance for existing applications developed using the .Net framework, **C#**, and **SQL Server** database.

SKILLS, ADDITIONAL INFORMATION

- Languages: Native in Spanish; Conversational Proficiency in English.
- Programming Languages: Python; Javascript; NodeJS; C#; C++.
- Cloud: AWS; Github; GitLab; Heroku.
- Databases: MariaDB; MySQL; PostgreSQL; SQL Server; MongoDB; Firabes.
- Programming Contest: ACM/ICPC; Central America ACM/ICPC; Caribbean Coding Cup.
- Security Certifications: Introduction to IoT Cyber Security; Secure Dev & Ethical Hacking; Information Security; Colloquium on Crypto.
- Management Certifications: Kanban Systems Design (KMP 1); ISO/IEC 45001; ISO/IEC 9001:2015.
- Development Certifications: CIMPS; Google Active Web I and II; Python; OOP with C#.