

Hector S. Lazcano

Full Stack Developer

📍 College Station, Texas ✉ hectorslqm@gmail.com ☎ (979) 326-2670 🔗 hectorslqm in Linked In

Summary

Full Stack Developer with over 7 years of experience designing and implementing high-quality, maintainable, and scalable applications. Electronic Engineering background with a passion for emerging technologies and innovative solutions. Strong leadership skills with experience mentoring other developers and organizing task assignments.

Education

B.Eng. Electronic Engineer (11329606)

2017

Instituto Tecnológico De Puebla, Puebla, Mexico

Skills

Programming Languages: JavaScript, TypeScript, Python, Java, SQL, JSON, C#

Frameworks & Technologies: React, Next.js, Tailwind CSS, Daisy UI, Material UI, Azure, Git

Databases: PostgreSQL, MySQL, Oracle SQL, Mongo DB

Methodologies: Agile (Scrum), CI/CD

Tools: VSCode, Eclipse, Jira, ClickUp, GitHub, Bitbucket, Azure

Experience

Texas A&M Transportation Institute, Software Applications Developer II

College Station, TX, USA

Aug 2024 – Present

- Lead developer responsible for mentoring other developers, organizing task assignments, and overseeing interns
- Upgraded REST API backend logic with JWT authentication system for improved efficiency and scalability
- Migrated dashboard to Next.js (TypeScript) with server-side rendering for better efficiency and SEO
- Implemented CI/CD pipeline using Github Actions for automated deployment
- Applied modern, responsive design using Tailwind CSS
- Debugged issues across Python, React, and Next.js codebases
- Managed project tracking using ClickUp

Texas A&M Transportation Institute, Software Applications Developer I

College Station, TX, USA

Apr 2022 – Aug 2024

- Managed Linux virtual machine in Azure used as server
- Created Python scripts using multithreading to receive and store UDP messages from multiple sensors
- Designed and developed dashboards using React.js and Material UI consuming self-developed API
- Implemented Azure authentication for secure admin dashboard access
- Supported hardware team with development and data queries

SOFICO, Java Core Developer

Puebla, Puebla, Mexico

Dec 2019 – Apr 2022

- Developed interfaces and policies for VW Mexico and other global clients
- Created unit tests (JUnit) and new features for Miles software
- Updated software documentation

- Managed tickets and bugs using Jira with Agile methodology
- Created and enhanced Oracle SQL queries for SOAP Web Services
- Utilized Eclipse to debug and optimize complex Java logic

BURY Technologies, Automation Engineer

Mielec, Poland
Jan 2019 – Aug 2019

- Designed C# interface and library for Modbus connection between different PLCs
- Configured sensors for production line
- Developed interface between PC and Mitsubishi PLC for signal and camera monitoring in C#

BURY Technologies, Maintenance Engineer

Huamantla, Tlaxcala,
Mexico
Jan 2019 – Aug 2019

- Performed preventive maintenance on production equipment
- Developed production monitoring program using Delta PLC

El Faro Ferreterías, I.T. Manager (Freelance)

Ciudad Mendoza, Veracruz,
Mexico
Sept 2017 – Jul 2018

- Developed personnel and attendance control system using Java and MySQL
- Implemented biometric authentication with Digital Persona U.are.U 4500 scanner
- Created corporate website and email system
- Redesigned company logo and brand image

Volkswagen de México, Betriebsmanagement (Intern)

Puebla, Puebla, Mexico
Feb 2017 – Aug 2017

- Redesigned door subjection device for VW Golf paint shop, generating \$2 USD savings per device
- Developed GUI for payroll management using PHP and CSS
- Created interface for production area management reports
- Improved layout and control of personnel locker availability

Languages

Spanish: Native

English: Advanced

Polish: Basic

German: Basic