Enrique Navia

.Net/Kotlin/JavaScript/Angular/T-SQL

👤 Profile

I am a Full Stack engineer with experience in automation, data analysis, and processing.

I have developed solutions that optimize the collection and processing of information using machine learning, significantly improving system efficiency.

Throughout my career, I have handled all the typical tasks of a Full Stack developer, from database management and API testing with Postman, to creating unit and automated tests with tools like Selenium and unit testing.

My comprehensive approach ensures that every part of the system, from the back-end to the front-end, operates optimally and efficiently.

Additionally, I have developed innovative solutions by integrating hardware such as Raspberry Pi and Arduino to improve data collection in systems.

💼 Experience

Programador FullStack Jr En Fletes y Transportes Ruiz.

2021 — 2024

I have led the development of multiple projects from their initial phase to final implementation, taking responsibility for design, coding, testing, and software release. Below are two key projects:

Merchandise Collection and Cleansing Program: I created a system that collected merchandise information using machine learning techniques, optimizing the cleansing of data from multiple Excel formats.

Alternative Android Software: I designed and developed an application for inventory management of units, simplifying the handling of critical 'Tractocamiones' components. This project, one of the most recent, was supported by a junior developer under my supervision.

I also developed web monitoring dashboards for real-time analysis of travel and unit data, incorporating Power BI and Python to extract valuable insights. I used queries based on the EDI 214 standard to evaluate trip statuses, completion percentages, stops, and alerts, significantly improving operational visibility.

Responsibilities:

- System Design and Architecture: I planned the complete project structure, from technology selection to software architecture, ensuring scalability, efficiency, and maintainability.
- Advanced Development and Coding: I implemented solutions from scratch, writing clean code and following best programming practices in technologies such as .NET and Kotlin.

Details

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- Testing and Validation: I led the creation and execution of unit and integration tests to ensure compliance with functional requirements.
- Mentorship and Supervision: In the Android project, I led a small team, guiding and mentoring a junior developer to improve work efficiency and ensure code quality.
- Interdisciplinary Collaboration: I coordinated with monitoring teams and other areas to ensure implementation aligned with operational needs.
- Software Lifecycle Management: I managed all development phases, from planning to releasing solutions into production.
- Technical Documentation and Optimization: I documented all solutions and proposed continuous improvements to development processes to optimize system performance.

Tech stack:

Kotlin 1.4 / Python 3.3.2 / SQLite 3.35 / Retrofit 2.9 / WindowsForms .NET Core 3.1 / MySQL 5.7, Node Express 4 /

Tools:

Visual Studio Code, PoweBI, SQL Server Management Studio (SSMS) 2019.

Programador FullStack Jr En Infotec
2019 — 2021

I participated in the development of two web projects focused on user management and appointment scheduling, which significantly contributed to the reach and functionality of the applications.

Responsibilities:

- Implementation of front-end events and tracking event logic to the database.
- Troubleshooting and maintaining the system, including identifying and fixing bugs.
- Maintaining continuous communication with early users to gather feedback, define future functionalities, and with the Q&A team.

Tech stack:

NET Framework 4.7.x y versiones anteriores. / .NET Core 2.x / JavaScript (ES6) / Angular 6 / MySQL 5.7

Tools:

Code: Visual Studio Code, VS, SQL Server Management Studio (SSMS) 2017, phpMyAdmin 4.0.

Becario en StupidFriendly
July 2014 — 2016

I participated as an intern in the development of a web platform aimed at digitizing ticket sales for events using Python and MySQL.

Responsibilities:

- Comprehensive documentation of the developed code.
- Identifying and removing redundancies in the code, applying the Single Responsibility Principle (SRP).
- Maintaining continuous communication with early users to gather feedback and define future functionalities.

Tech stack:

Python 2.6 / JavaScript (ES5) / jQuery 2.6 / TurboGears 2.3 / MySQL 5.5

Tools:

Code: Visual Code, phpMyAdmin 4.0

🎓 Education

Ingeniero en Computación, IPN-ESIME Culhuacán, Mexico 20014 — 2019