Juan Jesús Alemán Espriella

Full Stack Developer Jr.

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Mexico City, Mexico

Work Experience

Eli Lilly and Company
Presential

PHARMACEUTICAL SALES TRAINEE
November 2021- February 2022
- Field support.
- Inventory and database management.

National Institute of Cardiology
Presential

BIOMEDICAL ENGINEER
October 2020- November 2021
- Development and updating of medical software, using Python and GUI.
- Acquisition and analysis of biomedical signals using sensors, MatLab, C, and Python.
- Implementation of internal networks and data deployment, using NodeJs and Mongo DB.

National Electoral Institute
Presential

DATABASE DEVELOPMENT ASSISTANT
January 2020- December 2021
- Update database documentation, SQL and MySQL.
- Perform bulk uploads and specialized queries.

Projects

E-Monitor and Medical Assistant
HTML, CSS, JavaScript,C, Java, Node.js, IoT Platforms

REMOTE PATIENT MONITORING
Github
- Web platform for real-time patient monitoring.
- Implementation of ESP32 sensors with communication to the Internet and Databases.
- Development of Android application for real-time mobile monitoring.
- Medical diagnostic web platform using Infermedica API.
- Development of virtual assistant (Alexa type) called Emma for the management and deployment of data.
- Connection with smart bracelets for BPM and Oxygenation monitoring.
- alemango.github.io/Dashboard-Emma/pacientes.html

Portfolio
React.js, Node.js, JavaScript

PERSONAL WEBSITE
Github
- Personal page development using React.js
- Static website with loading animations and interactive background.
- Deployed with GitHub Pages.

Technical Skills

Strongest Areas	Web Development, Medical Software Development, IoT Development
Programming Languages	C, Javascript, Python
Libraries / Frameworks	React.js, Git, HTML5, CSS3, NodeJS
Database	MongoDB, PostgreSQL
Cloud Service	Azure

Education

Metropolitan Autonomous University
Mexico City, Mexico

BIOMEDICAL ENGINEERING
September 2017 - Act.
- 9.3/10

Certifications

REACT JS | 2021
CODERHOUSE

FULL STACK DEVELOPER | 2021
Launch X | Innovacción Mexico

MICROSOFT AZURE FUNDAMENTALS AZ 900 | 2021
Innovacción Mexico | Microsoft Azure

INTERNET OF THINGS CERTIFICATION | 2022
Samsung Innovation Campus | Código IoT