Salvador González

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Python | Java | Spring | JavaScript | Go | React | React Native | Node.js | SQL

EXPERIENCE

AMAZON — Mexico City
Quality Assurance Engineer — Nov 23 – Present

- Conducted sanity and regression tests for Alexa App and FireTV applications, ensuring both new and existing features were stable and functional.
- Created test plans and led QA activities for product releases.
- Conducted security, privacy, storage, API, and performance testing to ensure application quality.
- Performed localization testing and tested across multiple platforms, including Android, iOS, FireTV, Echo Shows and Tablets.

SOLERA, INC — Mexico City
Software Development Engineer in Test — Aug 22 – Nov 23

- Developed and executed test cases using Robot Framework (Python-based), significantly speeding up the software testing process.
- Reduced bug leakage by closely monitoring test results and promptly reported any defects.
- Conducted regression testing to validate the functionality and stability of previously implemented features.
- Optimized Jenkins pipelines to enhance testing efficiency.

CAPDESIS — Mexico City
Frontend Developer | Quality Assurance — Jan 22 – Aug 22

- Redesigned a web page using React**,** improving user experience and interface, and implementing responsive design principles to enhance accessibility across different devices and screen sizes.
- Supported the development and testing of two React Native applications**:** Formulae, a math and engineering formula reference app for students, and IngenieriaTracker, an app for students to view available professors, schedules, and classes at their university.

IFC – Cell Physiology Institute — Mexico City
Programmer – Data Analyst (Professional Practices) — Aug 21 – Jun 22

- Designed research bioinformatics experiments analyzing neuron mRNA data.
- Extracted, cleaned, analyzed and loaded data to prepare and manage datasets for research.
- Implemented machine learning models for classifying neuron types in the Lateral Geniculate Nucleus.

IIMAS - Institute of Applied Mathematics and Systems Research — Mexico City
Research Assistant in Data Science (Social Service) — Aug 21 – Apr 22

- Developed data science case studies for educational use in a master's course, providing practical examples and resources to enhance learning.
- Extracted, cleaned and analyzed data for the development of case studies, ensuring high-quality data preparation and practical application in research.
- Implemented machine learning models for neuroscience applications, including electroencephalographic analysis, neuron spike prediction, and movement forecasting based on neural activity.

EDUCATION

UNAM - National Autonomous University of Mexico — Mexico City
Bachelor of Science in Neuroscience — Aug 18 – Aug 22
Relevant Coursework: Focus on neurobiological data analysis and computational neuroscience.

ORACLE – Oracle Next Education — Mexico City
Software Development Bootcamp — Jul 22
Relevant Coursework: Programming logic with Java for Fullstack Development.

ACTIVITIES AND PROJECTS

TALENT LAND HACKATON — Guadalajara
AstraZeneca's Research Platform (Semi-Finalist) — Jul 22

• Developed a web application that significantly accelerated the search and retrieval process of clinical articles on SARS-CoV-2, optimizing research efficiency and supporting faster decision-making.

IFC – Cell Physiology Institute — Mexico City
Audio Visualizer Project — Feb 22

• Developed a generative art project that visualized the experiences of synesthetic individuals. The program generated and displayed dynamic geometric shapes in response to user-provided audio inputs, creating an immersive and interactive representation of synesthesia.

IFC – Cell Physiology Institute — Mexico City
Prediction of Hand Movement — Jul 2022

• Machine learning model implementation for hand movement prediction on a motor task based on electrical signs recovered from an electroencephalogram.

CERTIFICATES

MIT – EMTECH (2022) — Mexico, 2022
• Data Analysis (Python)
• Programming with Python
• Data Visualization (Google Data Studio)

MICROSOFT — Mexico, 2022
• Microsoft Azure Fundamentals