

MIGUEL A. GONZÁLEZ JIMÉNEZ

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 github.com/mrmiguetara

Education

Instituto Tecnológico de Santo Domingo - GPA 3.82

Bachelors of Science in Software Engineering

Aug 2016 – Apr 2020

Santo Domingo, Dominican Republic

University of Puerto Rico - Mayaguez Campus - GPA 3.50

Masters of Science in Computer Engineering

Aug 2022 – present

Mayaguez, Puerto Rico

Technical Skills

Languages: Python, Java, C#, HTML/CSS, JavaScript, SQL, LaTeX

Developer Tools: VS Code, IntelliJ, Google Cloud Platform, Android Studio,

Technologies/Frameworks: Linux, Jenkins, Git/GitHub, Ionic, Flask, NodeJS, .NET Framework, .NET Core, Angular, FastAPI, Unity3D, Laravel, SQL Server Reporting Services, AWS, Django, Docker.

Relevant Coursework

- Data Structures, Algorithm Analysis, Neural Networks, Database Management, Artificial Intelligence, Machine Learning, Software Architecture.

Experience

Freight Logistics AI (FLAI)

Apr 2020 – August 2022

Software Engineer Consultant

Santo Domingo, Dominican Republic

- Developer's Team Leader.
- Developed multiple microservices centered on route optimization, leveraging tools such as Google OR and Graphhopper; also designed an orchestrator service to seamlessly integrate with existing projects, automating the route assignment process.
- Collaborated on the deployment of services on company servers, including the installation and rollout of a dedicated on-premise server, with a primary focus on ensuring optimal reliability and uptime
- Integrated Codeclimate and CircleCI with Django and Docker.
- Developed 90% of Fintech project API, involving tasks such as: FSM architecture, Multi-role system, Tasks management using Celery for async operations, Hostname filter to manage access to certain data.

PiTech SRL

Feb 2019 – Apr 2020

Software Engineer

Santo Domingo, Dominican Republic

- Developed new functionalities to the app such as dynamic action sheets with Unity3D.
- Optimized mobile app performance up to 40% faster.
- Developed around 50+ new math exercises into the app.
- Automated part of QA workflow for exercises using Python and AWS Lambda.
- Developed internal mobile/web app to improve QA and decision-making workflows.

SoftCorp

Feb 2019 – Apr 2020

Junior Software Analyst

Santo Domingo, Dominican Republic

- Assisted and coordinated Quality Assurance tasks for the main app functionalities.
- Developed and maintained 10+ new automated reports for clients using Microsoft SQL Server Reporting Services.
- Fixed over 10+ minor bugs for the main application
- Performed client support tasks, addressing customer inquiries and resolving issues, leading to enhanced client satisfaction and retention.

Projects

eTutor (College project) | Ionic, ASP.NET Core, Azure

Apr 2020

- eTutor is a mobile application intended to help high-school students to get tutors in order to learn and enhance their grades.
- Worked on the software architecture design and lead the mobile frontend.
- Coordinated the deployment using Microsoft Azure.

Leadership / Extracurricular

Center for Advance Radio Science and Engineering (CARSE)

Spring 2020 – Present

President of the Student Leadership Council

University of Puerto Rico - Mayaguez Campus

- Coordinated logistic for poster presentation.
- Co-organized lecture on "thesis proposal workshop"

FPGA Bootcamp / L3Harris / CARSE

Mar 2023

Bootcamp Instructor

University of Puerto Rico - Mayaguez Campus

- Gave lecture about the basics of VHDL for Field-Programmable Gate Array programming