Omar Flores Quintana

(787) 910-4288 | Guaynabo, PR | omarenriquefq@gmail.com | LinkedIn | Github

EDUCATION

University of Illinois at Urbana-Champaign *Master Computer Science,* Expected 12/2025
Bradfield School of Computer Science *Computer Science Intensive,*   Expected 06/2024
Polytechnic University of Puerto Rico *B.S. in Computer Science,*   8/2016 - 5/2020

EXPERIENCE

Wovenware, Inc. - Uplight, Inc | *Software Developer II |* San Juan, PR   06/2023 - Present
- Collaborate with one of the Platform Analytics teams to enhance Uplight's core services, driving accurate energy consumption and savings estimates across multiple US states and parts of Canada.
- Collaborate on the design of the "Bill Forecast" system using Medallion Architecture, focusing on the Gold layer.
- Spearhead the definition of input schemas for AMI usage table aggregation, critical to forecasting energy bills.
- Engage in cross-functional collaboration to integrate schema inputs from multiple teams, ensuring robust data flow.
- Prioritize schema precision due to its crucial role in subsequent component dependencies, achieving (for energy utilities) a significant reduction in customer complaints and enhanced satisfaction by mitigating high bill surprises and (for individual users) enabled actionable insights into projected bill costs, promoting cost savings and reduced carbon impact.

INVID, LLC | *Web Developer II |* San Juan, PR   9/2021 - 05/2023
- Implemented the backend architecture for a productivity application using Azure Functions for the REST API, Sequelize.js as the ORM, and an Azure SQL Database instance which enabled users to efficiently organize and keep track of their tasks in one place.
- Developed a continuous education learning portal for lawyers across Puerto Rico using C#, .NET, Entity Framework and SQL Server.
- Developed a REST API using .NET 7 for a notification management settings page to enable portal administrators to manage all notifications sent to users of the mobile application.
- Developed a background jobs service using Azure WebJobs that enabled notifications to be sent on a daily basis on a fixed time interval to users of the mobile application.
- Implemented several features including policy endorsements, policy renewals and renovations, and policy search functionalities for an insurance company's web application using React and .NET 7.

Wovenware, Inc. | *Software Developer II |* San Juan, PR   1/2021 - 9/2021
- Spearheaded the development efforts of two interfaces which were part of a data verification and validation hub system using a combination of several Microsoft Azure tools.
- Enabled a secure data exchange communication channel between the client's system and several of Puerto Rico's government agencies through the use of Azure Logic Apps.
- Redesigned Medicaid participants' flow in Puerto Rico by automating and digitalizing the decision-making process to determine a participant's eligibility in the program.

SKILLS & INTERESTS

Languages: *Python, C#, JavaScript/TypeScript, Go*
Frameworks & Tools: *Cloud development, Node.js, .NET, Docker & Kubernetes*
Interested in: *Distributed Systems, Microservices, Backend Engineering*