

Omar Flores Quintana

Guaynabo, Puerto Rico, US (willing to relocate)

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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 designing the "Bill Forecast" system using Medallion Architecture, focusing on the Gold layer, leveraging the Databricks Unity Catalog.
- Spearhead the definition of input schemas for AMI usage table aggregation, critical to forecasting energy bills.
- Implement new and update existing API endpoints and data models for the Actions Service to make the migration from other upstream and downstream legacy services as smooth as possible.
- Migrate the CI/CD pipeline to a new CircleCI orb leveraging Terraform to deploy Actions Service resources to GCP.

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 daily 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 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, Docker & Kubernetes, CI/CD*

Interested in: *Distributed Systems, Microservices, Backend Engineering*