Daniel Villavicencio

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Technical Skills

Programming Languages: Java, Python, C#, Go, Javascript, Typescript
Frameworks/Libraries: Spring Boot, Svelte, PostgreSQL, MySQL, Redis, Firestore
Developer Tools: Git, Docker, Nginx, Gitlab Pipelines, Github Actions, AWS, GCP

Experience

Software Engineer - UNFI

Minneapolis, MN | June 2022 - October 2023

- Contributed to the development of distributed software systems powering web applications used by over 40,000 daily users
- Designed and implemented **high-performance REST APIs** for the myUNFI claims management application, reducing claims-processing time from months to under 24 hours
- Collaborated with cross-functional teams to modernize and retire legacy applications, successfully migrating 25% of existing systems to the new myUNFI B2C application
- Developed and tested a **multi-language Elasticsearch index** for French-Canadian products, expanding the accessibility of the myUNFI shopping web application

Projects

RivenBot

September 2023 - Present

- RivenBot is a microservices-based Discord bot providing analytics, insights, and role management for Destiny 2 raid completions
- Managed a suite of asynchronous, scalable services, utilizing **Go**, **PostgreSQL** and **RabbitMQ** for inter-service communication and Docker Swarm for container orchestration

GSMT (Go Schema Management Tool)

June 2025 - Present

- Designed and implemented **GSMT**, a schema migration tool written in Go that embeds SQL migrations directly into application binaries for seamless deployment
- Built a **metadata store** to record applied migrations, with support for managing schema changes and data changes

Protheon, Modular Mind

October 2025 - Present

- Built **Protheon**, a distributed Go system that schedules and dispatches tasks across clusters of machines, handling reliability and scaling concerns
- Designed a modular architecture with worker registration, internode communication using RabbitMQ

Education

Bachelors of Science, Computer Science

California State University, Sacramento, Sacramento, CA | 2022

- GPA: 3.77/4.00 | Dean's Honor Roll List