

# Aiden Gonzalez

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## SUMMARY

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Senior Software Developer with strong foundation in data structures, backend systems, and performant systems for financial workloads. Skilled in Python, C#, Node.js, React, and AWS, with a proven track record of building reliable and scalable systems that enhance operational efficiency and user experience. Proficient in collaborating across teams to deliver high-impact backend features and resilient systems.

**Languages:** C#, Python, SQL / dbt, Node.js, C++, C, TypeScript, React, Flutter

**Technologies:** AWS (Certified), Docker, Airflow, CI / CD, Snowflake, Datadog, Terraform, Kubernetes

**Core Skills:** Backend development, data structures, cloud infrastructure, APIs, scaling and reliability

## WORK EXPERIENCE

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**Senior Software Developer - Jasper Ridge Partners, Fort Worth TX** Jan 2026-Present

**Software Developer - Jasper Ridge Partners, Fort Worth TX** Jan 2024-Jan 2026

- Built a composable income allocation engine in C# .NET with an AG Grid React frontend, featuring an operation-tracking framework that flexibly captures and renders calculation logic to improve transparency, validation, and user trust across key accounting workflows
- Designed and implemented a parallelized financial statement generation engine in C#, boosting performance by 80-90% for client reporting packages and improving user experience
- Developed .NET API client and dbt data models to integrate Bloomberg data into analytics pipelines, enabling efficient data flow for risk analysis and performance dashboards
- Diagnosed production issues with datadog, quickly isolating root causes and deploying fixes
- Led end-to-end development of data reconciliation and performance models with dbt and SQL, driving integration with a third-party portfolio analytics platform while ensuring accuracy
- Orchestrated production apps on AWS ECS and Fargate, optimizing for scalability and resilience
- Served as a technical lead for more junior engineers, promoting code quality and best practices

**Software Engineering Consultant / Intern - Precocity, LLC, Dallas TX** May 2019-Dec 2023

- Promoted to full-time Consultant in May 2023 upon completion of MS in ECE
- Built a GitLab CI/CD pipeline for Kotlin APIs, enabling faster and more reliable deployments
- Delivered full-stack features and bug fixes in C# and React for a top fintech client
- Automated payroll accounting with SQL, Python, and JavaScript, improving efficiency by 90%

**Software Intern – Northrop Grumman Corporation, Dulles VA / Cincinnati OH** Jun 2020-Aug 2021

- Identified and remediated security vulnerabilities in embedded ESPASatellite software
- Optimized SonarQube API calls to enable efficient extraction of 100k+ static analysis findings
- Automated Subversion tag scanning and artifact distribution pipelines with Jenkins CI/CD
- Researched and prototyped an internal gig economy marketplace to improve staffing efficiency, ultimately presenting findings to VP of Engineering Innovation to guide internal strategy

## EDUCATION

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**Purdue University** | Electrical and Computer Engineering (ECE) | West Lafayette IN

- **MS, ECE:** Engineering Teaching Assistantship | GPA: 3.50 May 2023
- **BS CMPE:** Honors College | Math Minor | GPA: 3.95 (with Distinction) May 2022

## SELECTED PROJECTS

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- **hydRate:** (2025) Building a containerized, cross-platform full-stack app with Flutter, Node.js, and PostgreSQL / MongoDB that helps users find, rate, and review public water fountains and bathrooms. Features a fault-tolerant REST API backend with type-safe relational data modeling.
- **Lantern:** (2022) Built a full-stack MVP accounting application with React, Node.js, and PostgreSQL which aimed to provide small business owners with digestible financial insights