

Aiden Gonzalez

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<https://aidengonzalez.dev>

SUMMARY

Software Engineer with experience designing and delivering distributed cloud-native applications, backend infrastructure, and data pipelines. Skilled in Python, C#, Node.js / React, with a strong track record of engineering reliable and scalable systems. Experienced in collaborating with portfolio managers, analysts, and accountants to efficiently deliver high-impact services and automations.

Core Skills: Full-Stack Development, Data Engineering, APIs, Cloud Architecture, Data Structures

Languages: Python, C#, SQL, Node.js, TypeScript / JavaScript, React, Flutter, C

Technologies: Docker, AWS / GCP, dbt, Airflow, Postgres, Snowflake, Terraform, CI / CD

WORK EXPERIENCE

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

- Designed and implemented a parallelized financial statement generation engine in C#, reducing processing times by 80-90% for monthly and quarterly client reporting packages
- Built robust ETL code, data ingestion pipelines, and dbt models to integrate Bloomberg market data into analytics workflows, enabling enhanced performance attribution and risk modeling
- Engineered and optimized data reconciliation and performance models for family office portfolios, using dbt to drive integration with third-party portfolio analytics platform
- Developed an auditable income allocation engine in C# .NET along with an AG Grid React-based frontend, automating accounting workflows while enhancing accuracy and ease of use
- Acted as a technical lead for junior engineers to promote quality, performance, and best practices
- Organized company-wide basketball events, boosting cross-functional cohesion and morale

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

- Promoted to full-time Consultant in May 2023 upon MS ECE graduation
- Improved product reliability for a top fintech client by patching user-facing bugs in C# and React
- Automated payroll accounting with SQL, Python, and JavaScript, improving efficiency by 90%
- Built a GitLab CI/CD pipeline for Kotlin APIs, enabling faster and more reliable deployments
- Prototyped a Slack-integrated time tracking tool with Node.js, streamlining employee reporting

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

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

EDUCATION

Purdue University | Electrical and Computer Engineering | 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

- **hydRate:** (2025) Cross-platform Flutter app with a scalable and distributed Node.js / PostgreSQL backend (on AWS) which helps users find and rate local water fountains and bathrooms
- **Regex Comprehension:** (2023) Developed an experimental web app to study the efficacy of various regular expression comprehension tools and co-authored a research paper on findings
- **Lantern:** (2022) Created a full-stack MVP accounting application using React and Node.js which aimed to provide small business owners with digestible insights into their financial health