

Full Stack Software Engineer with 4+ years of experience leading data-driven financial platforms, owning product requirements and roadmap decisions for systems serving 2M+ users. Proven track record in Software Engineering and Product Delivery following Agile methodologies, driving \$10M+ revenue impact through workflow automation, cross-functional leadership, and AI-enabled product innovation.

Technical Skills

Programming & Scripting Java, Python, JavaScript, TypeScript, C#, C++, SQL, PHP, Bash

Frameworks & Libraries Spring, React, Angular, OpenAI, LiveScript, ElevenLabs, BhodiAI, .NET, Flask, Django, JBehave, Serenity,

Cloud, Data & DevOps AWS, Azure, Apache Kafka, Snowflake, MongoDB, Kubernetes, Splunk, GitLab CI/CD, Jenkins, Prometheus, Nexus, PagerDuty, Datadog

Tools & Platforms IntelliJ, VS Code, GitHub, GitLab, Jupyter, Conda, PowerBI, R Shiny, WordPress, Alloy Studio, Tomcat

Work Experience

Publicis Sapient

Houston, TX

Software Engineer (Backend Consultant – Goldman Sachs Collections Platform)

04/2023 – Present

- Delegate code changes with Devin AI to design real-time data pipelines for Snowflake supporting 3M+ users, **enhancing data quality for BI team**
- Define and deliver event-driven settlement workflows with (Spring, Apache Kafka, DevinAI), **increasing completion rates by 5%** for critical financial flows and reducing credit defaults by 10%
- Automate financial relief workflows (Spring, Kafka, Fargate) processing 2M+ customer enrollments and **recouping \$10M+ in interest annually**
- Collaborate with sales and product leadership teams to prototype AI-driven credit decisioning tools (PS Bhodi, Python), **accelerating adjustment workflows by 50%**
- Drive sprint planning and backlog prioritization with Jira and Agile methodologies to **align engineering delivery with product goals and timelines**
- Coordinated with DevOps and Controls team to **remediate over 20k accounts in MongoDB** (JavaScript + mongo-cli)
- Improve release velocity by implementing automation and AI-driven testing strategies, **reducing manual QA effort by 30%** and **accelerating delivery timelines**
- Coordinated with BI team to deploy additional Java REST APIs (Spring, Lambda, Fargate, Kafka) **enabling assistance outreach via email** for FEMA eligible customers
- Engineered a real-time change stream pipeline (Spring, MongoDB, AWS RDS, Snowflake) to **enable BI reporting for 3M+ hardship program beneficiaries**
- Initialized error monitoring with Datadog and Splunk Dashboards (Datadog + PagerDuty) as well as leading internal workshops to standardize error monitoring practices for all Spring microservices, **slashing monthly error reporting rates by 40%**
- Provided Production Support with PagerDuty outside work hours in 2 week shifts to monitor service resilience and **resolve over 50+ active production incidents**
- **Led a team into the top 5** (out of 100+) for the 2026 Aspire Speed Hackathon by designing an AI powered guest targeting platform (AWS, BhodiAI, SlingshotAI, React.js)
- **Led a top 10 (out of 100+) hackathon team** in the 2024 Aspire Speed Hackathon (AWS Bedrock, Angular.js, AWS Amplify) to build an interactive e-commerce avatar tool
- Mentored junior engineers and led cross-functional initiatives as well as Q/A sessions, strengthening team delivery and execution consistency

Software Engineer (Backend Consultant – Goldman Sachs Marcus Invest Platform)

02/2022 – 04/2023

- Delivered API-driven auto-investment workflows (Spring, Terraform, Snowflake), **improving execution performance by 30%** and supporting scalable financial operations
- Identified gaps in investment and hardship calculation logic and influenced roadmap improvements to **increase accuracy of financial recommendations**
- Partnered with SRE and DevOps teams to improve monitoring and deployment processes, **reducing operational overhead** and **improving system reliability**
- Developed reusable Java components to standardize engineering practices, **reducing redundancy** and **improving team efficiency**
- Led Townhall booth to **showcase engineering impact** and improve visibility of team contributions across the organization
- Advanced to 2nd round of 2023 Aspire Speed Hackathon by leading a team to build an improved data ingestion framework (Angular.js, AWS Lambda, Snowflake)

Internships / Applied Projects

Veterans United Home Loans

05/2021 – 08/2021

- Modernized Azure/.NET as well as PHP doc processing (50% latency cut for 1.2M users), deployed Prometheus for 35% faster MTTD.

The Ohio State University College of Public Health

01/2020 – 08/2020

- Automated reporting feeds using **Python (Pandas + Jupyter + Anaconda)**, enabling accurate PPE supply allocations to local hospitals.

Cloud Ferro

05/2019 – 08/2019

- Optimized satellite imaging APIs using **Python (Flask) + Kubernetes/Docker** and **Selenium WebDriver**, reducing latency by **10%** through bottleneck resolutions.

Education Experience

The Ohio State University

Columbus, OH

Bachelor of Science in Computer & Information Science

2017 - 2021

- **Specialization:** Database Systems & Data Analytics
- **Finalist, 2018 Ohio State ICPC Programming Competition** (top-tier algorithmic contest)
- **Public Relations Officer, Chinese Culture & Conversation Club** (2018–2019)