

Summary

Senior Full-Stack Engineer with 15+ years designing and building scalable cloud and data systems. Led development of distributed platforms processing 50M+ daily events, AI-driven workflows, and cloud optimization initiatives delivering \$2M+ in annual savings. Experienced in owning end-to-end architecture, mentoring engineers, and scaling systems across cloud-native environments.

Technical Skills

- **Languages:** Java (Spring Boot), Python (FastAPI), C#, TypeScript, JavaScript, React, Vue.js
- **Cloud & DevOps:** AWS, Azure, Kubernetes, Docker, Terraform, CI/CD, Observability
- **Architecture:** Distributed Systems, Microservices, Event-Driven Systems, API Design
- **Data:** PostgreSQL, SQL Server, Cosmos DB, Snowflake, ETL Pipelines
- **AI:** Claude Code, AWS Kiro, LLM Integration, RAG

Professional Experience

Senior Software Engineer

July 2026 - Present

Luma Financial Technologies — Cincinnati, OH (Hybrid)

- Built an asset-management microservice from scratch (Java/Spring Boot, AWS) with REST APIs and async event streaming across relational and NoSQL stores; delivered design to production in 10 weeks with sub-200ms p99 latency and 90%+ test coverage
- Championed AI-assisted development across engineering, codifying best practices for code review, test generation, and service scaffolding into shared Claude Code and AWS Kiro workflows; adopted by 5 teams, cutting PR review turnaround 40%
- Automated test backfills and legacy refactors with AI coding tools, lifting coverage on core services from 55% to 85% and accelerating feature delivery ~30%

Senior Software Engineer

August 2025 - July 2026

Constellation Energy (Contract) — Remote

- Shipped a lead-prioritization platform (Python/FastAPI, React/TypeScript) federating Databricks, SQL Server, and Salesforce data for 150 sellers; replaced manual spreadsheet workflows, drove 75% lift in qualified leads, and saved ~10 hrs/seller/week
- Built a contract-validation workflow spanning SQL schema, FastAPI models, and TypeScript types; column-level checks caught schema and API drift pre-merge, cutting release regressions by 50%
- Instrumented the platform end-to-end with OpenTelemetry and Azure Application Insights, correlating UI/API/SQL traces and adding automatic fault alerting that cut multi-hour debugging sessions to single-trace investigations
- Owned frontend architecture for the public-facing account review tool with a modern server-driven UX, persisted state, and role-aware data fetching; E2E test suite cut post-launch defects 75% in the first 3 months
- Onboarded 3 engineers to the platform within their first 2 weeks each; built onboarding tooling, checklists, and architecture docs since adopted as team standards

Senior Software Engineer

April 2022 - June 2025

Renewable Energy Systems — Remote

- Led development of a time-series ingestion platform processing 50M+ IoT events daily using Azure Functions and Event Hubs

- Architected and executed migration of 1TB from Cosmos DB to Azure Blob Storage with tiered storage strategy, reducing costs by \$150K annually
- Designed and implemented CI/CD pipelines (GitHub Actions + Terraform), tripling deployment frequency and improving release reliability
- Built a high-performance React dashboard for large-scale asset data visualization with dynamic filtering and multi-source integration

Software Instructor

January 2020 – January 2023

Tech Elevator — Cincinnati, OH

- Delivered full-stack curriculum covering backend technologies (Java, C#), databases (MSSQL, Postgres), and frontend (JavaScript, Vue.js, HTML, CSS), along with REST APIs
- Applied Agile SDLC and testing best practices in student capstone projects simulating startup and enterprise environments
- Mentored 150+ students to job readiness by strengthening their coding, technical troubleshooting, and communication skills, resulting in a 94% job placement rate
- Collaborated with industry partners to ensure curriculum relevance and maintain strong employer relationships, resulting in direct hiring partnerships with local tech companies

Customer Success Engineer

July 2019 – January 2020

LISNR — Cincinnati, OH

- Reduced checkout times by 50% for a national retailer by integrating LISNR's ultrasonic SDK into mobile payment workflows using Java and iOS/Android
- Partnered with a FinTech innovation lab to create an MVP for secure, touchless payments using custom hardware with Python and PostgreSQL
- Developed scripts for automated testing and validation of ultrasonic payment protocols, reducing QA testing time by 60%

Senior Software Engineer

February 2018 – July 2019

Health Carousel — Cincinnati, OH

- Redesigned healthcare staffing workflows in Microsoft Dynamics 365 with C# plugins and JavaScript, reducing processing time by 30%
- Automated builds and releases via Azure DevOps pipelines, eliminating manual deployment issues and enabling weekly feature releases
- Collaborated with cross-functional teams to update legacy .NET applications

Senior Web Application Developer

February 2016 – February 2018

Cincinnati Public Library — Cincinnati, OH

- Modernized public-facing ASP.NET website by refactoring legacy systems and deploying on high-availability infrastructure, increasing uptime from 95% to 99.8%
- Introduced Scrum practices and CI tooling to a 4-person team, accelerating delivery speed for new feature requests and issue resolutions
- Implemented Git version control and established code review processes

Senior Software Developer

March 2012 – January 2016

KnowledgeWorks — Cincinnati, OH

- Built a learning management platform using Laravel (PHP) and MySQL, serving 200+ schools and 50,000+ students
- Partnered with education stakeholders to gather requirements and ensure ongoing product innovation and adoption
- Built REST APIs for third-party integrations and mobile applications

Education & Certifications

- **B.S. Information Systems**, Northern Kentucky University
- **B.A. Business Administration**, Northern Kentucky University
- **Databricks** – DevOps Essentials for Data Engineering (2025)
- **HashiCorp** – Certified Terraform Associate (2024)
- **AWS** – Certified Cloud Practitioner (2022)
- **Microsoft** – Azure Fundamentals (In progress)

Leadership & Community

- Technical Trainer – Delivered enterprise cloud training as an Amazon Technical Training Instructor (2019–2021)
- STEM Mentor – Mentored student developers in the Cincinnati/NKY region
- Volunteer – Women, Wine & Web Design