


Summary

Full-Stack Software Engineer/Developer with **3+ years** building production applications serving **65K+ annual users**. Expertise in **React, Spring Boot, and AWS** with proven ability to architect and deploy scalable web applications. Strong foundation in AI/LLM integration, microservices, RESTful API design, and modern DevOps practices. AWS Certified Cloud Practitioner.



Professional Experience

-  **Independent Software Engineer** 2022 – Present
- Built and deployed **BinaryDecimal.com** to Netlify/Vercel, comprehensive web toolkit with **17+ utilities** serving **40K+ users annually**, including full-featured Markdown editor, password generator, and Mermaid diagram editor/viewer
 - Created **MemoDiction.com**, AI-powered dictionary serving **25K+ users annually**, architecting automated content generation pipeline with OpenAI API and prompt engineering deployed via GitHub Actions CI/CD
 - Designed and built **Skill Quest**, full-stack AI Learning Planner from concept to production with secure JWT authentication, PostgreSQL database, and LLM integration, containerized with Docker and deployed to Railway
 - Developed custom Python solutions for **NetCDF scientific data** merging and analysis, processing multi-dimensional climate datasets for international research clients
 - Created automated Markdown to ENEX converter from scratch with complex formatting and metadata preservation for enterprise knowledge management

Technical Skills

Languages	Python (Adept), Java, TypeScript, JavaScript, SQL, HTML/CSS, C++, Bash
Frontend	React, Vite, Tailwind CSS, Jekyll, Responsive Design
Backend	Spring Boot, Node.js, Flask, Django, RESTful APIs, Microservices, JWT Authentication
Cloud & DevOps	AWS (EC2, S3, Lambda, CloudFront, Route 53, RDS), Docker, GitHub Actions, CI/CD, Serverless
Data & AI	PostgreSQL, OpenAI API, LLM Integration, Prompt Engineering, NLP
Practices	Agile/Scrum, Test-Driven Development, Git Version Control

Technical Projects

-  **Enterprise Inventory Management Platform** *(Java, SQL, JavaFX, MVC Architecture)*
- Designed and developed production-ready inventory platform from requirements through deployment with Java, SQL database, JavaFX GUI, and MVC architecture
 - Implemented complete CRUD operations, real-time data synchronization, automated reporting dashboard, error handling, and unit testing
-  **AI-Powered Code Quality Analyzer** *(Python, NLP, React, REST API)*
- Built end-to-end full-stack application with Python Flask backend, React frontend, and RESTful API for automated code quality analysis and best practice recommendations
 - Implemented static code analysis, complexity detection, style guide enforcement, and AI-powered improvement suggestions with user authentication and CI/CD pipeline

Education

Bachelor of Science in Software Engineering, Western Governors University	2025
Front End Web Developer NanoDegree, Udacity	2020

Certifications

AWS Certified Cloud Practitioner	2023
CompTIA Project+ Certification	2025

Additional: ITIL Foundation, CompTIA A+, Google IT Support Professional

Authorized to work in the United States as a Permanent Resident