

Alizain Ali

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SUMMARY

Software Engineer with 6+ years of experience designing scalable, cloud-native backend systems and distributed applications. Proven success leading high-impact initiatives at Amazon and Capital One, including KYC compliance, deferred billing workflows, and microservices for auto finance platforms. Expertise in AWS (Lambda, Step Functions, S3), full-stack development (React, Spring Boot), and performance-driven architecture. Adept at cross-functional collaboration, system optimization, and mentoring in fast-paced, agile environments.

EDUCATION

Bachelor of Science in Computer Science

Minor in Electrical Engineering • TEXAS A&M UNIVERSITY • College Station, TX • December 2020 • GPA: 3.88

EXPERIENCE

SOFTWARE DEVELOPMENT ENGINEER

AMAZON

April 2022 – PRESENT, Austin, TX

- Led key initiatives across Supply Chain and MCF, delivering scalable backend systems and internal tools in fast-paced, ambiguous environments.
- Built a deferred billing workflow using AWS Step Functions, Lambda, and DynamoDB to process 13K+ daily vendor transfers with delayed payment.
- Developed a secure KYC pipeline for export compliance by integrating AWS S3, SNS, SQS, and external APIs to automate document handling and validation.
- Rebuilt the FOLEX dashboard via a working-backwards plan; delivered a React + Java + GraphQL full-stack application.
- Implemented export eligibility and fee logic for non-media items, removing adoption blockers for 19.5% of sellers.
- Drove architectural planning across 10+ services, reducing latency by 50% and improving observability with AWS CDK and CloudWatch.

SOFTWARE ENGINEER

CAPITAL ONE

June 2019 - April 2022, Plano, TX

- Designed and implemented a microservice architecture to manage auto finance leads, enabling scalable schemas and efficient path-based backend filtering.
- Built REST APIs and AWS-based caching layers that improved system performance by 50% and availability by 15%.
- Developed QR code APIs and a multi-tenant SaaS token service to support lead generation and identity management for the Dealer Navigator platform.
- Created modular libraries with Java and Spring Boot to enable secure identity token transmission between distributed backend services.
- Built full-stack tools including a threat modeling web app and a call center platform with SSO, real-time WebSocket, and financial dashboards.
- Collaborated with cross-functional groups in an Agile environment using Jira to deliver software products developed with Java, Spring Boot, AngularJS, TypeScript, Node.js, MongoDB, PostgreSQL, and AWS.

PROJECTS

Job Comparator - AI-Powered Platform

June 2025 - Present

- Designed event-driven architecture with AWS SNS/SQS and Step Functions to orchestrate 10+ services, reducing latency by 45% and scaling to 50K+ daily events.
- Integrated OpenAI/Gemini APIs to automate workflows with 92%+ accuracy, reducing support time by 60%.
- Built and launched a full-stack SaaS MVP (Next.js, MongoDB, Stripe) in 6 weeks, achieving 4.8/5 user satisfaction and 80% code reuse across the stack.

FrontDesk AI - Voice Agent Platform

December 2024 - May 2025

- Built a scalable web app to deploy AI voice agents with custom workflows, achieving 90% onboarding completion in under 10 minutes for 50+ businesses
- Integrated Vapi, Cal.com, and Pipedream APIs into a tenant-specific workflow system, reducing end-to-end AI agent call setup latency by 70% and supporting 95% activation success across isolated tenants
- Developed a real-time dashboard and testing framework for AI agent validation, improving ops efficiency by 30% with 98% success across 50 concurrent test users

SKILLS

Languages: Java, TypeScript, C++, JavaScript, Python

IDEs: IntelliJ, Cursor, Android Studios, XCode, Visual Studios, Eclipse

Frontend Frameworks: React, Angular, Vue

Backend Frameworks: Next.js, ExpressJS, Django, Ruby on Rails, Spring Boot

Databases: DynamoDB, Aurora, PostgreSQL