

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.

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

AWARDS & HONORS

1st Place

Zombie Hackathon • December 2021- January 2022

- Designed a tool that identifies, notifies and verifies AWS cost and unused resources.
- Leveraged CloudHawk, SpendWise, and Cloud-Custodian to auto terminate resources based on last accessed/used.
- Utilized Cloudwatch to trigger slack notification to resource owner after deletion.

Peoples Choice

Amazon Fulfillment Hackathon • June 2023-July 2023

- Designed a AI chat bot that engages with customers and aims to resolve questions in real-time.
- Leveraged Amazon S3, Lex, and Kendra to provide a conversational experience with relevant suggestions.
- Chat bot uses feedback loop to learn and continuously improve from previous conversations.

AWS Certified Solutions Architect

Amazon • 2023
