

HAMAD AHMAD ANSARI

+91-74628-85920 | hamad.ansarif90@gmail.com |  LinkedIn |  Github |  Portfolio Website

SUMMARY

Full Stack Software Engineer with close to 1 year of hands-on experience in the Fintech domain, building production-grade backend systems, microservices, event-driven architectures and scalable applications. Experienced in designing REST APIs and backend services, developing Kafka-based asynchronous pipelines, and working with Redis, PostgreSQL, AWS, Docker, CI/CD, and production observability. Hands-on experience throughout the software development life-cycle, including system design, third-party integrations, deployment, and monitoring.

WORK EXPERIENCE

Software Developer - Delhivery Limited | Financial Services Team (Fin-Tech)

Jul 2026 – Present

- Designed an **RBI and GDPR-compliant account deletion workflow** across **6 microservices**, by implementing **AES-SIV encrypted PII snapshots** to automate anonymization/deletion while preserving data required under **RBI and PMLA** retention policies.
- Engineered **Axis Bank Corporate FASTag Issuance and Management** integration across **15+ APIs**, implementing **mTLS, JWE, and AES-encrypted payloads** for tag issuance, hotlisting, Vahan verification, KYV uploads, and QDR dispute resolution.
- Owned the **end-to-end design and development of a corporate wallet/sub-wallet ledger system**, supporting **corporate-level wallets, fleet-linked sub-wallets, and multiple user FASTags per sub-wallet**, with transaction tracking, balance management, multi-fleet hotlisting, and tag management for corporate FASTag operations.
- Designed a **configuration-driven modular onboarding framework** using the **Adapter Pattern** for multi-bank and multi-service integrations, standardizing common **Onboarding and KYC/KYV** flows across Tag Issuance, Fuel Card Issuance, and Truck GPS Installation journeys, reducing new service onboarding and development time by **60%**.
- Integrated **Delhivery Maps, Banking, and Fuel Card APIs** to enable real-time toll and GPS tracking with an in-app **Dispute Resolution System**, reducing external portal dependency and improving issue resolution time by **40%**.

Software Developer Intern - Delhivery Limited | Financial Services Team (Fin-Tech)

Jan 2026 – Jun 2026

- Contributed to the development of a **Fleet FASTag, Fuel Card, Wallet & GPS Management System** using **Flask-based microservices**, serving **3,000+ fleet owners** and processing **50K+ monthly transactions** across FASTag, Fuel Card and GPS flows.
- Built a **Kafka-based event-driven pipeline** processing **100K+ FASTag transactions/day** through asynchronous webhook ingestion, with **retry strategies and a DynamoDB DLQ**.
- Migrated microservices from **EKS (Devtron) to ECS/EC2** while maintaining **99.9% service availability**, and automated **CI/CD using GitHub Actions**, reducing deployment failures by **30%**.
- Engineered an internal **one-stop operations platform** with configurable admin workflows, **OAuth-based authentication and RBAC**, Cloud Resource Management and Observability, and **role-based business dashboards** using Apache Superset.

TECHNICAL SKILLS

Languages & Frameworks : C++, C, Java, Python, JavaScript, TypeScript, SQL, React.js, React Native, Next.js, Flask, Node.js

Backend & Systems : Microservices, Redis, Kafka, Express.js, REST API, Webhooks & Websockets

Databases : PostgreSQL, MySQL, MongoDB, DynamoDB, AWS RDS, Convex

Cloud & DevOps : AWS (EC2, ECS, EKS, S3), Azure, Docker, Kubernetes, GitHub Actions, Devtron

Tools & Observability : Git, GitHub, Postman, Jira, Confluence, Sentry, Coralogix

Coursework : Data Structures & Algorithms, OOP, Operating Systems, DBMS, Computer Networks

EDUCATION

National Institute of Technology, Jamshedpur

Nov 2022 – Jun 2026

B.Tech in Computer Science and Engineering

DPS - Modern Indian School, Doha, Qatar

Mar 2020 – Mar 2022

Class X & XII, CBSE

PROJECTS

Switch FAANG | AI-Powered Email Outreach & Interview Platform — Next.js, Supabase, VAPI, Groq

[Live View](#) | [Code](#)

- Built a full-stack **job search and interview preparation platform** using **Next.js and Supabase**, unifying recruiter outreach, application tracking, AI mock interviews, and a LeetCode-style coding environment.
- Engineered a **recruiter outreach CRM** with bulk CSV contact management and encrypted SMTP credentials, adding **9-stage** drag-and-drop tracking and automated follow-ups via **Vercel Cron**.
- Integrated **VAPI** for real-time voice interviews and **Groq (LLaMA 3.3 70B)** for question generation, producing structured feedback across **5 evaluation dimensions**.
- Developed a **LeetCode-style coding platform** with Monaco Editor and **Judge0** sandboxed execution across **5 languages**, using a custom test-harness generator that parses function signatures into language-specific execution wrappers.

Connectify | Socializing Platform on iOS and Android - React Native/Expo, Clerk & Convex

[Code](#)

- Built a cross-platform **social networking app** with **React Native/Expo**, shipping to both **iOS and Android** from one codebase.
- Shipped **5+ interactive features** – media uploads, likes, comments, real-time feeds, profile/media reporting, and user blocking.
- Added secure **Clerk authentication** with Google OAuth.
- Used the **Convex** backend for cloud storage and dynamic social feeds, handling large media uploads with low latency.