

Mohamed Nafih K T

github.com/mdnafihkt | linkedin.com/in/mdnafihkt | mdnafihkt.daimens.com | mohamednafihkt@gmail.com | +91-9188869472

SUMMARY

Software developer with a background in Electrical & Electronics Engineering, experienced in building secure, full-stack applications using Java, Spring Boot, and React.

EDUCATION

Bachelor of Technology (B.Tech) - Electrical and Electronics Engineering
Government College of Engineering, Kannur | 2026

EXPERIENCE

Java Full Stack Development Trainee - *Soften Technologies* | Aug 2025 - Jan 2026

- Architected and delivered **2+ full-stack application modules** using Java, Spring Boot, React, and MySQL.
- Built **10+ REST API endpoints** with JWT authentication, role-based access control, and CRUD operations.
- Integrated payment gateway functionality and followed Git-based collaborative development practices during training.

PROJECTS

PacketScope | *Network Telemetry & Packet Inspection Platform*

- Built a full-stack network telemetry platform using Java 21, JavaFX, MySQL, JDBC, featuring a desktop capture agent built with Pcap4J for real-time IPv4/IPv6 TCP/UDP packet capture, decoding and live traffic monitoring.
- Engineered an asynchronous producer-consumer persistence pipeline with dedicated persistence workers and transactional batch inserts to optimise MySQL write throughput, reduce database roundtrips, and prevent packet loss under high network load.
- Developed a lightweight analytics server and responsive framework-less dashboard using Java HttpServer, REST APIs, vanilla JavaScript, and Chart.js for real-time traffic visualisation, and HTTP inspection.

CarCentral | *Automotive Commerce & Service Platform*

- Built a full-stack automotive commerce & service platform using Spring Boot, React, PostgreSQL, and Stripe.
- Incorporated JWT-based RBAC authentication, unified booking and transactional state-machine workflows, inventory synchronisation, Stripe webhook-driven payment verification, and scalable REST APIs to ensure secure, consistent, and enterprise-grade backend operations.

Records | *Privacy-Focused Android Notes Application*

- Created a privacy-focused Android notes application using Java, Kotlin, Jetpack Compose, Room (SQLite) and MVVM architecture with AES-256-GCM encrypted local storage and zero-knowledge security design.
- Implemented secure search and session management using HMAC-SHA256 blind indexing, biometric authentication, in-activity auto-lock, and in-memory encryption key handling for secure local persistence.
- Implemented a modular rich-text note editor with JSON-based content serialisation, real-time auto-save and dynamic folder organization.

SKILLS

Programming Languages: Java, Python, C, JavaScript

Java & Backend: Spring Boot, Spring Data JPA, Hibernate, JDBC, REST APIs, Object-Oriented Programming (OOP), JWT Authentication, MVC Architecture, Relational Database Design, Microservices

Frontend: React, HTML5, CSS3

Databases: MySQL, PostgreSQL, Room (SQLite)

Tools & Platforms: Git, GitHub, Linux, Android, Postman