Aakif S

+91 6381966648 | aakifsulthan@gmail.com | linkedin.com/in/aakif-s | github.com/aakifsaf

Summary

Full-Stack Developer with expertise in React, Next.js, and Django, alongside a growing foundation in Java and Spring Boot for enterprise backend systems. Experienced in REST API development, database architecture (PostgreSQL, MySQL, MongoDB), frontend UI design, and containerization using Docker. Skilled in secure authentication protocols, mobile application development, and end-to-end software testing.

Education

Syed Ammal Engineering College — Ramanathapuram, Tamil Nadu

Bachelor of Engineering in Computer Science and Engineering — *Aug 2023 – May 2027 (expected)*

Experience

Frontend Developer Intern — Mar 2026 – Present

Softnix Solutions — *Remote*

- **Tech Stack**: Next.js, TypeScript, TanStack Query, Playwright, Tailwind CSS, Figma
- Engineered performant user interfaces for Enterprise Resource Planning (ERP) and Property Management System (PMS) SaaS platforms.
- Translated high-fidelity Figma UI/UX designs into modular, production-ready React/Next.js components.
- Implemented complex asynchronous state management and tabular data fetching using TanStack Query.
- Wrote automated end-to-end (E2E) UI test suites using Playwright to ensure zero-regression releases.

Backend Developer Intern — Nov 2024 – Jun 2025

Unityr Tech Labs — *Ramanathapuram, Tamil Nadu*

- **Tech Stack**: Django, DRF, PostgreSQL
- Built scalable REST APIs and optimized database queries to enhance system throughput.
- Implemented JWT and OAuth 2.0 for secure user authentication across core services.
- Developed Role-Based Access Control (RBAC), minimizing security risks and ensuring permission-based access.
- Collaborated with the frontend team to integrate and debug REST API endpoints efficiently.

Full Stack Developer Intern — Jun 2025 – Jul 2025

VDart Academy — *Tiruchirappalli, Tamil Nadu*

- **Tech Stack**: Django, DRF, React, PostgreSQL, Tailwind CSS
- Developed an Intern Management System featuring role-based dashboards for admins, mentors, and interns.
- Integrated secure APIs with JWT, enabling reliable frontend-backend communication and data integrity.
- Enhanced overall usability with fully responsive UI layouts and optimized database queries.

Projects

Enterprise LLM API Gateway | *Java, Spring Boot, Spring Cloud, PostgreSQL, Docker* — 2026

- Engineered an intelligent reverse proxy using **Java** and **Spring Boot** to route enterprise AI traffic, validate API keys, and enforce tenant rate limits.
- Integrated **Spring AI** and **PostgreSQL pgvector** to implement semantic caching, mitigating redundant LLM API calls and reducing latency.
- Configured **Resilience4j** to build fault-tolerant circuit breakers that seamlessly redirect failed cloud requests to local edge containerized models.

Project Nostromo (Mobile Edge Cloud) | *Java, Kotlin, Android SDK, Networking* — 2026

- Architected a native Android edge-computing application using **Java** and **Kotlin** that transforms local mobile hardware into persistent web deployment servers.
- Utilized **Android Foreground Services** and WakeLocks to maintain continuous server uptime, enabling uninterrupted background processing for hosted APIs.
- Implemented internal networking and secure reverse proxy logic to seamlessly expose mobile-hosted web applications to external networks.

Campus Digital Twin Platform | *React, Django REST Framework, PostgreSQL, Three.js* — 2025

- Architected a real-time digital twin model for sustainable campus infrastructure and asset tracking.
- Designed high-throughput REST APIs and PostgreSQL schemas to stream IoT telemetry and environmental metrics.
- Created dynamic role-based dashboards to visualize resource utilization, reducing monitoring overhead.

GhostLink Ops | *Next.js, FastAPI, Docker, Cryptography, Steganography* 2025

- Engineered a secure data exchange platform with encrypted communication channels.
- Implemented advanced cryptography and steganography techniques for covert data transmission.
- Containerized services using Docker for isolated, secure, and scalable multi-environment deployment.

CodeSage | *FastAPI, Ollama, ChromaDB, RAG* 2025

- Implemented a privacy-first semantic code auditing system driven by locally hosted LLMs via Ollama.
- Applied Retrieval-Augmented Generation (RAG) architecture for contextual vulnerability and code security analysis.
- Utilized ChromaDB for vector storage and low-latency semantic search over entire codebase repositories.

Technical Skills

Languages: Java, Kotlin, JavaScript, TypeScript, Python, C, SQL (PostgreSQL, MySQL), HTML/CSS
Frameworks & Libraries: Spring Boot, Next.js, React, Node.js, Django, FastAPI, TanStack Query, Tailwind CSS
Databases & Caching: PostgreSQL, MySQL, MongoDB, Redis, SQLite
Developer Tools & Testing: Git, Docker, Android Studio, IntelliJ, VS Code, Playwright, Figma
Security & Protocols: REST APIs, JWT, OAuth 2.0, RBAC, Cryptography

Certifications

Python Django Tutorial | SkillUP | 2025
Web Development Professional Certification | MTF Institute | 2024
Python Fundamentals | Great Learning Academy | 2024
Data Science Foundations | Great Learning Academy | 2024
Data Analytics | Warriors Way | 2024
PowerBI Micro Course | Skill Course | 2024