Aatir Nadim

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LinkedIn | Portfolio | GitHub | Technical Blog

Summary

I am a software engineer with 2+ years of experience building backend services and AI-enabled workflow products. At Floqer, I built LLM-powered and context-aware features for B2B sales workflows; at S&P Global, I developed event-driven data services and modernized Java and Kotlin systems. My experience spans LLM integration, retrieval-augmented generation, cloud services, and secure distributed systems.

Experience

S&P Global Noida, India
Software Engineer 2 Oct 2026 – Present

- Advanced a staged Spring Boot 4 and Jackson modernization across Java and Kotlin services and shared libraries by assessing dependency alignment, generated API compatibility, security changes, runtime behavior, and tests.
- Developed reusable migration guidance covering dependency analysis, code generation, test discovery, service startup, and API, security, messaging, and database contract validation.
- Evaluated Java 21 readiness for containerized services and AWS Lambda workloads, including shared build images, Maven configuration, dependency compatibility, and Java 17 support requirements.
- Mapped dependencies for a Scala service's migration toward service-owned Terraform and designed least-privilege CI credentials for repository-scoped workflows and cross-repository automation.

Associate Software Engineer I Jul 2024 – Sep 2026

- Built asynchronous, event-driven ingestion to process and synchronize more than 30,000 records per cycle from blob storage to a centralized database.
- Contributed to end-to-end development of a Data Inventory service using Java, Spring, AWS, PostgreSQL, test-driven development, and multi-tier authentication.
- Migrated the shared API Registry build from Gradle to Maven and coordinated compatibility across connected microservices.
- Added custom access-denied handling to a Spring Security filter chain and investigated API error mapping, multipart limits, and HTTP method compatibility.

Floqer Remote
Core Software Development Engineer Intern May 2023 – Jun 2024

- Built an AI-powered browser note-taking extension from an initial prototype to an MVP with a small engineering team; implemented rich-text editing and streamed LLM responses.
- Developed features for a B2B GTM sales automation platform, including a visual workflow builder, spreadsheet-based workflow execution and review, and integrations for prospect research and outreach.
- Implemented context-aware, multi-session chat grounded in selected or completed table rows using retrieval-augmented generation.

Selected Projects

getMe | Go, storage systems, Unix sockets | GitHub | Docker Hub
Built an embeddable key-value storage engine inspired by Bitcask, with append-only disk storage, an in-memory key index, background compaction, and concurrent startup recovery. The project also includes client SDKs and developer interfaces.

plan-parse | Go, Terraform, React, Cytoscape.js | GitHub | Docker Hub
Created a Terraform plan workbench that parses plan data into an interactive dependency graph, with resource comparisons and checks to help inspect change impact before applying infrastructure updates.

Skills

Languages: Java, Go, Kotlin, Scala, TypeScript, JavaScript, Python, SQL
AI and workflow products: LLM integration, streamed LLM responses, retrieval-augmented generation, context-aware chat, workflow builders
Backend and cloud: Spring Boot, REST APIs, PostgreSQL, event-driven systems, distributed services, AWS
Delivery, security, and quality: Terraform, Docker, GitHub Actions, GitLab CI/CD, Maven, JUnit, OAuth/OIDC, IAM, OpenTelemetry, Grafana, Prometheus

Education

Jamia Millia Islamia, New Delhi, India Oct 2020 – Aug 2024
Bachelor of Technology in Computer Engineering

Selected Certifications

Object Oriented Data Structures in C++, University of Illinois Urbana-Champaign (Coursera), Jan 2023 | Credential
Mathematics for Machine Learning: PCA, Imperial College London (Coursera), Feb 2023 | Credential