

# AADIT JAIN

## Backend Software Engineer | Java • Spring Boot • Microservices

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### PROFESSIONAL SUMMARY

Java Backend Engineer with 4+ years of experience designing and building scalable, high-performance microservices using Java, Spring Boot, Kafka, Redis, and PostgreSQL. Proven expertise in developing transaction-heavy fintech systems, implementing secure authentication and authorization, and optimizing distributed systems for performance, reliability, and scalability. Strong foundation in system design (HLD/LLD), data structures, concurrency, and cloud-native backend development using AWS and Docker.

### TECHNICAL SKILLS

**Programming Languages:** Java  
**Backend Technologies:** Spring Boot, Spring MVC, Spring Security, REST APIs, Microservices  
**Databases:** PostgreSQL, MySQL  
**Distributed Systems:** Redis, Apache Kafka, Event-Driven Architecture  
**Cloud & DevOps:** AWS, Google Cloud Platform (GCP), Docker, CI/CD Pipelines, Jenkins, SonarQube  
**System Design:** High-Level Design (HLD), Low-Level Design (LLD), Scalable Systems, API Design  
**Core Concepts:** Data Structures and Algorithms, Object-Oriented Programming (OOP), Concurrency, Multithreading  
**Development Practices:** Backend Development, API Development, SDLC, Agile/Scrum, Unit Testing, Version Control (Git)

### EXPERIENCE

#### PureSoftware

Associate Software Engineer (Backend)

India (Remote)

January 2024 - PRESENT

- Designed and owned scalable **Java Spring Boot microservices** processing **1M+ daily transactions**, leveraging **Spring Security** and **RESTful APIs** while collaborating with stakeholders to drive **financial analysis** and **product decisions**.
- Led a team of **3 developers** to build an **extensive USSD module** for **corporate and retail banking**, implementing **Role-Based Access Control (RBAC)** for secure, segmented access.
- Built and optimized **150+ RESTful, scalable, fault-tolerant, event-driven APIs** forming the backbone of **Artha's digital banking platform**, enabling **FD and RD deposits, premature payouts, and top-up services** at scale for **millions of users**.
- Engineered **18+ high-reliability schedulers** automating core banking workflows with **99.9% on-time delivery** utilizing **multithreading** and **CompletableFuture** to reduce processing time from **3 hours to 15 minutes**.
- Implemented **secure backend services** for managing **sensitive user data and documents** using **AWS**, enforcing **encryption, access controls, and audit logging** to meet **enterprise security standards**.
- Orchestrated key **transactional features** for a leading **South African bank** covering **Send Money, Request Money, Buy Airtime, Wallet-to-Bank Transfers, Paybill, and PIN Recovery**, integrated across **USSD, web & mobile** app channels.

Software Engineer (Backend)

January 2022 - January 2024

- Architected and built a **Domain-Driven Design (DDD)** based banking deposit and pre-maturity computation system for **Fixed Deposits (FD) and Recurring Deposits (RD)**, handling **100K+ accounts** and automating complex **interest rate logic, penalties, and real-time maturity calculations**, reducing manual processing errors by **80%** and enabling scalable financial operations.
- Improved platform reliability through **SonarQube** quality gates, legacy refactoring, and service optimization, delivering **25% faster APIs** and **95% lower defect density (1000+ critical issues resolved)**.
- Developed and refactored **REST APIs** using **Java, Spring Boot, Spring MVC, Hibernate, and PostgreSQL**, integrated **3rd-party banking services**, added **Redis caching** improving response times by **40%**, and set up **Swagger, Postman collections, and integration tests** for seamless collaboration and faster QA cycles.
- Collaborated with more than **5 teams** across **20+ microservices** to integrate complex features, accelerating **sprint delivery by 20%** and fostering stronger **cross-team alignment**.

### PROJECTS

**Bellion - Personal Finance App** | Spring Boot, Redis, PostgreSQL, JWT, Bucket4j

July 2025 - PRESENT

- Designed and implemented a **scalable backend architecture** using **Spring Boot, PostgreSQL, and Redis**, enabling secure management of **4+ financial domains** including bank transactions, mutual funds, and credit card data.
- Engineered automated **financial data ingestion pipelines** processing **70+ emails and PDF statements per day**, parsing unstructured data using **Jsoup and Apache PDFBox**, and storing normalized transactional records with **JWT-secured access**.

**Personal Portfolio Website** | Spring Boot, ReactJS, PostgreSQL, Docker

April 2025

- Developed and deployed a full-stack personal portfolio website with **99% uptime**, featuring a **ReactJS** front-end utilizing **component-based architecture and Context API** for state management, and Spring Boot REST APIs backend.
- Integrated the **GitHub API** to dynamically display **6+ public repositories** in the project section.
- Showcased a **secure contact form** with **server-side validation** to block **spam** and **excessive messages**.

### EDUCATION

Manipal University, Jaipur

Bachelor of Technology in Computer Science Engineering

Aug 2018 - Aug 2022

CGPA: 8.54