

Akash Yadav

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GitHub LinkedIn Portfolio

Professional Summary

Java Backend Developer with around 3 years of experience building scalable backend systems using Java and Spring Boot. Experienced in HLD and LLD, microservices architecture, REST API development, MySQL, and caching strategies. Hands-on experience with CRM platforms, workflow automation, Jira webhook integrations, and real-time data processing. Strong focus on clean code, performance optimization, and secure backend design.

Technical Skills

- **Backend:** Java 8, OOPs, Multithreading, Spring Boot, Spring MVC, Spring Security, Microservices, REST APIs, JSP, Servlets, Logging (SLF4J)
- **Architecture & Design:** High-Level Design (HLD), Low-Level Design (LLD), SOLID Principles, Design Patterns
- **Security** Spring Security, JWT , OAuth 2.0, Role-Based Access Control (RBAC), CORS, CSRF Protection
- **Database:** MySQL, JPA, Hibernate, JDBC
- **Caching & Performance:** Cache Manager, In-memory caching, SQL optimization
- **Workflow Automation:** Business workflows, event-driven processing, background jobs
- **Frontend:** HTML, CSS, JavaScript, React
- **DevOps & Tools:** Git, GitLab, Bitbucket, Docker, Jenkins, Tomcat, Postman, Bruno
- **Testing & Build:** JUnit, Maven, Gradle
- **Monitoring & Docs:** Swagger, Prometheus, Grafana
- **Cloud:** AWS

Professional Experience

SunbaseData LLC

Sept 2024 – Jan 2026

Java Developer | Remote, USA

- Architected HLD and LLD for a large-scale CRM platform, defining microservice boundaries and API contracts.
- Engineered Spring Boot microservices enabling CRM workflows, dashboards, and third-party integrations.
- Exposed REST APIs processing 10K+ daily requests with validation, global exception handling, and pagination.
- Optimized API performance by 30% through in-memory caching and query tuning.
- Applied SLF4J-based logging and exception analysis to debug production issues and trace API failures across services.
- Established lookup-driven configuration models for dynamic CRM statuses and workflow mappings.
- Automated end-to-end lead, appointment, and status transition workflows within the CRM.
- Delivered 100+ configurable dashboard widgets for real-time and historical analytics.
- Integrated Firebase notifications, Jira webhooks, Google Analytics, and Search Console for event-driven sync.
- Coordinated with frontend, QA, and product teams to ensure scalable and stable releases.

Haarmk Infotech Pvt. Ltd.

Apr 2023 – Sept 2024

Java Developer | Noida, India

- Contributed to HLD and LLD discussions for a microservices-based domain and hosting platform.

- Built and maintained 200+ REST APIs with proper validation and exception handling for domain, hosting, billing, and user modules.
- Enhanced query performance using database functions and views for complex reporting needs.
- Standardized CRUD operations by creating a reusable core Java library, reducing duplicate code by 40%.
- Secured applications using Spring Security with JWT-based authentication and authorization.
- Executed Agile sprint deliverables while following clean code and modular design practices.

Projects

Firebase Notification System (SunbaseData)

- Implemented Firebase Cloud Messaging (FCM) using Java and Spring Boot for real-time push notifications.
- Designed secure REST APIs to send event-based and user-targeted notifications.

Jira Software Integration (SunbaseData)

- Designed and implemented a webhook-based Jira integration for real-time issue synchronization.
- Handled Jira webhook events for issue creation, updates, status transitions, and comments.
- Implemented OAuth 2.0 (3LO) authentication with secure access and refresh token handling.
- Mapped Jira issue metadata to internal lookup-driven configurations and persisted changes in MySQL.
- Improved data consistency by replacing polling-based sync with event-driven architecture.

SpinnyHost Domain & Hosting Platform (Haarmk Infotech)

- Designed and developed a complete domain and hosting management platform using Java, Spring Boot, JSP, and MySQL.
- Implemented domain lifecycle management, hosting plans, and customer account modules.
- Integrated CCavenue and Razorpay payment gateways for secure online transactions.
- Implemented role-based access control using Spring Security and JWT.
- Applied SOLID principles and design patterns to ensure scalability and maintainability.

Education

Manipal University Jaipur (Online)

Aug 2025 – Present

Master of Computer Applications (MCA)

CSJM University, Kanpur

Jun 2019 – July 2023

Bachelor of Science in Agriculture (CGPA: 7.3)

Masai School, Bangalore

May 2022 – Apr 2023

Full Stack Web Development