

# Jitendra Kumar Tiwari

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## SKILLS

**Programming Languages:** Java, Scala

**Frameworks:** Spring Boot, Hibernate, Junit, Mockito, Mongoose, NodeJS

**Databases:** MySQL, Oracle, MongoDB, Cassandra, Redis

**Web Technologies:** HTML, CSS, JavaScript, Typescript, Tailwind CSS, ReactJs, Redux, NPM, NextJs

**Tools & Technologies:** Git, GitHub, Bit Bucket, GitLab, JIRA, Confluence, Jenkins, PCF, HeidiSQL, Docker, Consul, Nomad, CircleCI, Postman, Swagger UI, Maven, Nexus & JFrog, AWS (S3, Lambda, Code Artifact, Parameter Store), OAuth2, JWT, JSON, Protobuf, SonarQube, ESLint, Grafana

## EXPERIENCE

### Cricbuzz Platforms Limited

Aug 2024 – Present

Bangalore, Karnataka

*Software Engineer*

- Reduced API latency from ~3s → ~100ms by migrating legacy Scala services to Spring Boot microservices and optimizing database calls with caching layers.
- Implemented non-blocking I/O and background task queues to improve concurrency and prevent user-facing latency during high-traffic match periods.
- Integrated Redis and in-memory caching to handle live match data efficiently, reducing server load and improving response stability.
- Designed MongoDB-backed APIs for video and commentary snippets with geo-based filtering and premium/free access segmentation.
- Engineered and deployed the partner strip system enabling dynamic sponsor logo placement within the Cricbuzz mobile app interface.
- Developed interactive graph APIs visualizing real-time match data, increasing user engagement by 25%.

### NCSI Technologies Pvt Ltd

Mar 2022 – Aug 2024

Pune, Maharashtra

*Software Engineer*

- Developed RESTful APIs for the banking client, focusing on projects related to financial services using Spring Boot, React and Typescript.
- Implemented a backend service to generate and display hierarchical data in a table format, consisting of 4 columns where one column acts as the parent of another in the nested fashion, utilizing DSA for efficient data generation and hierarchical structuring.
- Developed a backend application to manage data that allows users to choose their preferred communication channels (SMS, Email, Push Notifications, etc.) for different transactions and marketing campaigns.
- Implemented Multi factor authentication, role-based access, and a maker-checker process ensuring creators cannot approve their items.
- Implemented scheduler for push notifications, optimizing real-time customer engagement for financial services.
- Migrated configuration properties from PCF managed server to a custom spring cloud config server with DB.
- Integrated JWT into applications, resulting in robust authentication and enhanced security.
- Ensured high code quality by writing unit test cases with coverage above 90%.
- Engaged in all phases of Software Development Life Cycle (SDLC) using Agile Methodology and followed scrum sessions.

### Infosys Ltd

Nov 2020 – Mar 2022

Hyderabad, Telangana

*Systems Engineer*

- Developed REST APIs for telecom client, leading to improved system performance and a better user experience.
- Managed customer enrollment and maintained data related to equipment, electrical lines, customers, and hubs in the telecommunications domain.
- Fixed over 50 bugs across multiple modules, ensuring optimal functionality and user experience.
- Optimized application performance, reducing load time by 30% utilizing Spring Boot.
- Improved Dashboard Management UI by 20% using ReactJs, enhancing user experience.
- Built an Order Management System (OMS) application as a training project, leveraging SpringBoot, ReactJs and MySQL.

## PERSONAL PROJECTS

### Blog App APIs

GitHub: [https://github.com/jk jitendra/Blog\\_App](https://github.com/jk jitendra/Blog_App)

*Spring Boot, React, MySQL, MongoDB*

- Developed comprehensive **RESTful APIs** with 30+ endpoints covering authentication, blog management, comments, reactions, categories.
- Implemented **JWT** authentication, **OAuth2** (Google/GitHub), and **RBAC** with 4 roles using Spring Security for secure API access.
- Built APIs with **Vault**-based secret management, **Bucket4j** rate-limiting, real-time comment/reaction endpoints with nested replies, and achieved **90%+ code** coverage with Junit and Mockito.

### Aristobox

GitHub: <https://github.com/jk jitendra/Aristobox>

*React 19, Typescript, Indexed DB*

- Developed offline-first PWA Web App for educational field sales teams.
- Implemented tablet-optimized UI featuring 6 kit categories, customer management, and order tracking.
- Built CSV export functionality with comprehensive order data, reducing order entry time by 40%.

### PricePeek

GitHub: [https://github.com/jk jitendra/price\\_lookup](https://github.com/jk jitendra/price_lookup)

*JavaScript, Chrome APIs*

- Built Chrome Extension to track and notify users of lowest product prices across e-commerce websites.
- Implemented price-monitoring with background scripts and Chrome Storage API for price history tracking and notifications.

## CERTIFICATION & AWARDS

- AZ-900 Microsoft Azure Fundamentals
- OCI Generative AI Certified Professional
- Awarded Top Scorer in the Secure Coding Tournament hosted by our valued client.