Vaijnath Kasande

Software Engineer

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EXPERIENCE

Software Engineer — Dec 2024 – Present
Infosys Limited — Pune, Maharashtra

Banking and Financial Services

- Developed and optimised RESTful APIs in Spring Boot with in-memory caching, cutting API latency by 30%.
- Secured REST endpoints with Spring Security using stateless JWT authentication and role-based access control.
- Added request validation, global exception handling and one consistent error response format across services.
- Containerised Spring Boot services with Docker (non-root images, health checks), deployed with Docker Compose.
- Built and maintained Java backend services for banking applications, from business logic to the SQL data layer.
- Used GitHub Copilot to speed up refactoring and JUnit test writing, reviewing all generated code before merging.
- Collaborated with React front-end teams to integrate these services and deliver features end to end.
- Worked cross-functionally in an Agile team to resolve production issues and deliver features continuously.

Software Developer Intern — Mar 2024 – Jul 2024
Numetry Technologies — Pune, Maharashtra

- Built full-stack application features with Spring Boot and React.js, from idea to working software.
- Designed RESTful APIs and integrated them with the front-end screens that use them.
- Managed application data across the front-end and back-end layers.

PROJECTS

SecureVote – Online Election Platform — securevote.prasadkasande.uk
React, Spring Boot, PostgreSQL

- Platform for running private elections: organisers create an election, add co-owners and decide who gets a ballot.
- One vote per voter enforced by a unique database constraint; results stay sealed until close, with an audit trail.

CineSphere – Movie Ticket Booking App — cinesphere.prasadkasande.uk
React, Spring Boot, PostgreSQL · github.com/prasadkasande/CineSphere

- Movie ticket booking application where users explore movies, check showtimes, select seats and book tickets.
- Separate React front end and Spring Boot back end, deployed with Docker Compose.

Black Hole Orbital Mechanics Simulator — kerr.prasadkasande.uk
Spring Boot, React

- Spring Boot service numerically integrates Kerr-metric geodesics; a React front end renders the orbits in real time.
- Shows what Newtonian gravity gets wrong: precessing orbits, light capture and gravitational-wave inspirals.

SKILLS

Languages	Java, JavaScript, SQL
Backend	Spring Boot, Spring Security, Spring Data JPA, Hibernate, REST APIs
Frontend	React, HTML, CSS
Databases	PostgreSQL, MySQL, MongoDB
Testing	JUnit, Playwright (Java, JavaScript), Selenium WebDriver
Tools	Git, Maven, Docker, Docker Compose, Postman, IntelliJ IDEA, VS Code, Eclipse
AI Tools	Claude Code, Codex, GitHub Copilot
Concepts	Data Structures, Algorithms, Object-Oriented Programming, Functional Programming

EDUCATION

B.Tech in Electrical Engineering — 2018 – 2022
Shri Guru Gobind Singhji Institute of Engineering & Technology — Nanded, Maharashtra

Higher Secondary (Class 12), Maharashtra State Board — 2016 – 2018
Bharat Bharati Mahavidyalaya — Parbhani, Maharashtra