

# Prajwal P

## Full Stack Developer | Software Engineer

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### PROFESSIONAL SUMMARY

Backend Developer with several years of experience specializing in Java, RESTEasy, data structures, algorithms, and OOP principles. I have expertise in building scalable microservices, designing robust RESTful APIs, and creating efficient CI/CD pipelines with Jenkins. Skilled in Docker for containerization, ensuring smooth deployments and high availability. Passionate about delivering high-quality solutions, writing detailed JUnit tests, and staying updated with emerging technologies. My problem-solving skills, strong understanding of system design, and experience in Agile environments help me deliver reliable, maintainable code.

### CERTIFICATIONS

**Core Java Made Easy (Covers the latest Java 18)** | [Udemy](#)  
**The Complete 2024 Web Development Bootcamp** | [Udemy](#)

Feb 2024  
April 2024

### TECHNICAL SKILLS

**Languages & Frameworks** : Java, Spring Boot, RESTEasy, SQL, JavaScript, Mongoose, LaTeX, React.js, Node.js

**Tools & Technologies** : Git, GitHub Actions, GitLab, Jenkins, Maven, JUnit, Mockito, Docker, Kubernetes, Linux, AIX

**Databases & Cloud** : MySQL, PostgreSQL, MongoDB, AWS

**Development Methodologies & Architecture** : Agile, SDLC, CI/CD, Application Resiliency, Security, Microservices, Monolithic

### PROFESSIONAL EXPERIENCE

#### Systems Engineer C1 – Tata Consultancy Services

Bengaluru, India | June 2023 – Present

- Engineered a microservice architecture, integrating **Realex payment services**, **JWT authentication**, and cookies for session management. Implemented audit logging and debugging for troubleshooting, documenting services with **Swagger**. Ensured high-quality code through unit testing with **JUnit** and **Mockito**, writing secure, optimized code to improve performance and integrity. Streamlined deployment with **Docker** and **Kubernetes**, reducing downtime by 30% and increasing efficiency by 15%. Integrated **Redis caching**, reducing latency by 25%. Collaborated with cross-functional teams to align backend with frontend, enabling early platform launches and boosting adoption.
- Key Accomplishments** : Engineered high-performance **RESTful APIs**, reducing data retrieval time by 40%. Decomposed a complex user journey into 10+ microservices, improving scalability by 50%, flexibility by 30%, and maintainability by 40%. Achieved over **95% code quality** with **SonarQube** for continuous improvement. Contributed across all SDLC phases, delivering high-quality solutions under tight deadlines, driving revenue growth. Supported post-deployment hyper-care, resolved critical defects, and reviewed over 100 pull requests to ensure service stability for 3 million+ users.

#### Web Developer Intern – Exposys Data Labs

Bengaluru, India | Oct 2022 – Dec 2022

- Created a full-stack **movie review platform** utilizing Java, *Spring Framework*, React.js, and MongoDB. Oversaw endpoint creation, configuration management, dependency handling, and environment variable setup.
- Gained expertise in various Java frameworks, **server-side operations**, client-server inter-process communication, advanced problem-solving, code review, and software development best practices, and performance optimization.

#### Software Developer Intern – Kennametal India Limited

Bengaluru, India | Aug 2022 – Sep 2022

- Developed a **C# console application** to collect and analyze **license usage data** in AccessDB, enhancing utilization by **98%**. Implemented an automated **server solution** running every 60 minutes, optimizing **license management**.
- Expertise in crafting, reviewing, and optimizing code using **C#**, .NET, text mining, regular expressions (Regex), Task Scheduling, Batch Programming, and VBScript and advanced debugging techniques for improved performance.

### EDUCATION

#### BE in Computer Science and Engineering

JSSATE, Bengaluru | CGPA: 8.45

Bengaluru, India

### PROJECTS

#### Happenify | [Next.js](#), [Node.js](#), [Express.js](#), [TypeScript](#), [MongoDB](#), [Tailwind](#), [Stripe](#), [Zod](#), [Uploadthing](#) | [Source Code](#)

- Developed a comprehensive event organization web app like Eventbrite with **CRUD operations** for event management, ticket purchasing, and creation, including **authentication (OAuth)**, caching, search, filtering, categories, checkout, and payments. Utilized Next JS 14, React Hook Form, Shadcn, Mongoose, and Clerk.

#### Care Taker | [MERN stack](#), [TypeScript](#), [JavaScript](#), [Zod](#), [Passport.js](#) [Google-OAuth](#), [Tailwind CSS](#), [Mongoose](#) | [Source Code](#)

- A community-focused platform that **connects individuals** with **orphanages** and **old age homes**, facilitating visits, donations, event organization including volunteer sign-ups, resource sharing, virtual tours, and educational programs. The platform enables users to engage in fundraising, birthday celebrations, and awareness campaigns.

#### Chat App | [React.js](#), [Node.js](#), [Express.js](#), [JavaScript](#), [Socket.io](#) | [Source Code](#)

- Developed a **real-time chat application** showcasing expertise in **implementing web sockets** for seamless user communication, ensuring a smooth and interactive experience. Utilized React.js for the front end and Node.js with Socket.io for the back end, demonstrating proficiency in both front-end and back-end technologies.

#### Movie Review Application | [Spring Boot](#), [React JS](#), [Node JS](#), [Java](#), [Bootstrap](#), [MongoDB](#), [Javascript](#) | [Source Code](#)

- Developed a movie review application enabling users to **add and view reviews**, incorporating endpoint creation, **configuration management**, dependency handling, environment variable setup, and testing. Utilized MongoDB for data storage, Java and Spring Boot for backend development, Postman for API testing, and React.js for the front end.