

# Prajwal P

## Full Stack Developer | Software Engineer

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### PROFESSIONAL SUMMARY

Backend Developer with several years of experience specializing in Java, Spring Boot, RESTEasy, data structures, algorithms, and OOP principles. 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](#)

### 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 using the **ELK stack** for log aggregation and analysis across all environments, documenting services with **Swagger**. Ensured high-quality code through unit testing with **JUnit** and **Mockito**, writing secure, optimized code to improve performance and integrity. Applied **design patterns** to enhance system design and maintainability. Streamlined deployment with **Docker** and **Kubernetes**, reducing downtime by 30% and increasing efficiency by 15%. Integrated **Redis caching**, reducing latency by 25%. Leveraged **version control** tools to manage code effectively. Collaborated with cross-functional teams, demonstrating strong **communication skills** 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** – Exosys 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.
- 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.