

Prajwal P

Software Engineer | Backend Developer

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EDUCATION

BE in Computer Science and Engineering

JSSATE, Bengaluru | CGPA: 8.45

Bengaluru, India

PROFESSIONAL EXPERIENCE

Systems Engineer C1 – Tata Consultancy Services

Bengaluru, India | June 2023 – Present

- Designed and developed scalable **Java-based microservices** using **RESTEasy** and **Spring Boot**, integrating **JWT authentication**, cookies, secure session management, and Realex payment services. Implemented secure **authentication** and **user account management workflows** covering login, credential updates, and account recovery.
- Built high-performance **RESTful APIs** following **OOP principles**, **data structures**, **algorithms**, and industry-standard **design patterns**, improving scalability, maintainability, and data integrity.
- Implemented centralized **audit logging**, debugging, monitoring, and **incident analysis** using the **ELK stack**, **Kibana dashboards**, **QRadar**, and **AppDynamics**, ensuring SLA compliance and production stability.
- Collaborated with **support teams** for **incident triage** using **ServiceNow**, participated in **hypercalls**, supported post-deployment **hyper-care**, and resolved **Jira-assigned defects** through root-cause analysis, log investigation, and code fixes within defined SLAs, including investigation of **blocked user incidents** to validate genuine versus fraudulent users.
- Ensured high-quality and secure code through unit testing using **JUnit** and **Mockito**, achieving over **95% code quality** with **SonarQube**, improving test coverage and code reliability.
- Streamlined **CI/CD pipelines** using **Jenkins**, **Docker**, and **Kubernetes**, reducing downtime by 30% and improving deployment efficiency by 15%. Integrated **Redis caching**, reducing application latency by 25%, and reviewed 100+ pull requests to ensure backend stability for **3 Million+ users**.
- **Key Accomplishments** : Engineered high-performance **RESTful APIs**, reducing data retrieval time by 40%. Decomposed complex workflows into 20+ **microservices**, improving scalability by 50%, flexibility by 30%, and maintainability by 40%. Contributed across all phases of the **SDLC** in **Agile** environments, resolving critical production defects under tight deadlines and driving platform reliability and revenue growth.

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.

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.

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

Concepts : OOP, Data Structures, Algorithms, System Design, API Security, Authentication, Authorization, Caching, Monitoring

CERTIFICATIONS

Core Java Made Easy (Covers the latest Java 18) | *Udemy*

The Complete 2024 Web Development Bootcamp | *Udemy*