

PREETHAM P M

preethampmsg@gmail.com • 9449756084 • [linkedin.com/in/preetham-p-m](https://www.linkedin.com/in/preetham-p-m) • github.com/preetham-p-m

PROFESSIONAL EXPERIENCE

Software Engineer

Mar 2023 - Present

Coupa Software

Hyderabad, IN

- Spearheaded the development of a **workflow orchestration** tool for the **Coupa Supply Chain Design and Planning** platform, overcoming technical and scalability challenges. **Led a team of 4 developers**, enhancing user experience for over 200 customers, optimizing platform performance, and actively contributing to system design and code reviews.
- Designed and implemented a **folder organization** system within the **cloud platform**, integrating **Elasticsearch** for robust search and sorting, improving user experience by 15% through better organization and accessibility.
- Elevated **grid** functionality for bulk delete, move, copy, share, and transfer using React and Redux, resulting in a 15% improvement in user experience by streamlining file management tasks.
- Engineered an **ETL** canvas tool using **GoJS**, React, and Redux, enabling front-end users to visually design and manage ETL workflows, improving data processing efficiency.
- Introduced **distributed tracing** with OpenTelemetry for **microservices**, optimizing resource utilization for application monitoring and improving developer experience, resulting in a 15-20% efficiency boost by resolving issues with user activity and **API performance tracking**.
- Enhanced **Excel/CSV export** capabilities in a microservices architecture, expanding download capacity from **10k to 5 million** records, significantly improving data handling and scalability.

Development Engineer

Aug 2022 - Feb 2023

Coupa Software

Hyderabad, IN

- Formulated and established **CI/CD workflows** with **GitHub Actions** and **Docker**, reducing deployment times by 40% and enabling parallel API testing across environments for zero downtime.
- Developed a robust **approval chain component**, significantly reducing approval time and improving process accuracy.
- Established code coverage with **SonarQube** for all the **microservices** repositories, improving code quality and increasing coverage by 60%.

Core Java and SQL Intern

Aug 2021 - Nov 2021

TCR Innovation

Bengaluru, IN

- Improved a **cloud vendor portal** to manage vendor interactions and streamline service integrations, enhancing operational efficiency and improving vendor management workflows by 25%.

PERSONAL PROJECTS

Post Application ([Github Link](#))

Jan 2024 - Feb 2024

- Created a social media app with Java, Spring Boot, JPA, Hibernate, and MySQL. Adopted **secure login** and post creation with **Spring Security**, boosting user engagement by 30% and reducing unauthorized access by 25%.
- **Enforced rate limiting** using **AOP**, reducing server overload by 40%. Built secure RESTful APIs for user interactions and post management, enhancing overall application performance.

ACHIEVEMENTS

- Consistently recognized as a top performer within the team for delivering high-quality solutions, leading key initiatives, and surpassing project goals.
- Solved 200+ DSA Problems on [Leetcode](#), [HackerRank](#), [GeeksforGeeks](#).

SKILLS

- **Programming Languages & Technologies:** Java, JavaScript, TypeScript, Python, npm, Elasticsearch, SQL, T-SQL, RabbitMQ, Kafka, SonarQube, SSL/TLS, OpenTelemetry, gRPC.
- **Frameworks & Libraries:** Spring Boot, React, Redux, JPA, Hibernate, JSP, Spring Security, React Query, DevExtreme, Microservices Architecture, JUnit, Mockito, Spring Interceptor, Spring Filter.
- **Web Development Skills:** HTML, CSS, RESTful APIs, WebSocket, OIDC, OAuth, Asynchronous Programming.
- **Databases:** MySQL, Microsoft SQL Server, Redis.
- **Cloud Integration & DevOps:** Docker, Kubernetes, GitHub Actions, Jenkins, AWS, Git, SOLID Principles, Object-Oriented Programming (OOP), Design Patterns.

EDUCATION

BMS Institute of Technology and Management

Aug 2018 - Jul 2022

Bachelor of Engineering in Electronics and Communication

CGPA: 8.62

- Winner of the PBL (Project Based Learning) 2018 at BMSIT out of 30 teams.