

MAHALAKSHMI B.S

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About Me

Passionate software engineer with 1.5+ years of experience in designing, developing, and maintaining Java-based applications. Proficient in Spring Boot, microservices architecture, and database management. Strong analytical and problem-solving skills with a dedication to continuous learning and professional growth.

Education

S.A. Engineering College

Bachelor of Technology in Information Technology - 8.83 CGPA

Aug 2019 – Apr 2023

Chennai, Tamil Nadu

Sethu Bhaskara Matriculation Higher Secondary School

HSC - 70%

Jun 2018 – Mar 2019

Chennai, Tamil Nadu

Sethu Bhaskara Matriculation Higher Secondary School

SSLC - 96%

Jun 2016 – Mar 2017

Chennai, Tamil Nadu

Experience

PraVyuha Tech Solutions LLP

Associate Software Engineer

Sep 2024 – May 2025

Chennai, Tamil Nadu

- Developed a Proof of Concept (PoC) for WhatsApp integration using WhatsApp Meta API, enabling real-time notifications and enhancing customer communication.
- Authored comprehensive documentation for WhatsApp integration, ensuring seamless adoption and maintainability.
- Implemented unit testing using JUnit and Mockito, improving code reliability and test coverage.
- Debugged complex applications, resolving critical bugs and optimizing system performance for a smoother user experience.
- Utilized Jaspersoft for dynamic report generation, creating interactive dashboards, parameterized reports, and exportable PDF/Excel reports to enhance data visualization and decision-making.
- Designed and optimized SQL queries for generating real-time reports in Jaspersoft, ensuring efficient data retrieval and presentation.
- Collaborated with cross-functional teams to integrate Jaspersoft reports into web applications, enabling business users to access insightful analytics.

Rapiddata Technologies

Software Engineer

Oct 2022 – Nov 2023

Chennai, Tamil Nadu

- Designed and implemented RESTful APIs using a microservices architecture, enhancing system scalability and communication between distributed services.
- Developed and maintained Java-based applications using Spring Boot, ensuring high performance, security, and maintainability.
- Managed MySQL database solutions, optimizing query performance, data integrity, and transaction handling.
- Integrated SonarQube for static code analysis, reducing code smells and increasing code coverage by 30%, improving overall software quality.
- Automated deployment workflows by creating and managing CI/CD pipelines with Jenkins, reducing manual errors and accelerating release cycles.
- Actively participated in Agile Scrum meetings, collaborating with cross-functional teams to align technical solutions with business goals.
- Additionally contributed to Mendix backend development and designed responsive front-end interfaces using HTML and CSS, improving system functionality and user experience.

Technical Skills

Languages: Java.

Frameworks: Spring Boot, Microservices Architecture.

Frontend Technologies: HTML, CSS, JavaScript.

Databases: MySQL, JPA, JDBC.

Developer Tools: VS Code, Eclipse, Mendix.

Project Build Tools: Maven.

Version Control: Git, GitHub.

CI/CD Tools: Jenkins.

Testing Tools: JUnit, Mockito.

Code Quality Tools: SonarQube.

API Tools: Postman.

Reporting Tools: Jaspersoft.