



Aravind S

Software Engineer

Experienced Software Engineer with 2.5 years in Java, Spring Boot, RESTful APIs, and database-driven systems. Skilled in backend development, workflow automation, and tool integration. Strong problem-solving abilities and a proven track record of delivering high-quality solutions. Passionate about innovation, collaboration, and driving projects in dynamic environments.

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📍 Kerala, India

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WORK EXPERIENCE

Associate Software Engineer Bosch Global Software Technologies

08/2022 - Present

Coimbatore, India

Achievements/Tasks

- Contributed to the design and development of applications and services using Java, Spring Boot, and RESTful APIs
- Wrote unit tests using JUnit and Mockito for the APIs to ensure code coverage
- Debugged REST APIs using Postman, ensuring seamless backend functionality and accurate JSON data handling
- Automated the E/E architecture modelling for automotive systems using PREEvision, streamlining workflows and reducing manual efforts by 40%
- Developed an XML bridge between MBD tools, PREEvision and Zuken E3.series, improving integration efficiency, and saving €50000 annually
- Designed, developed, tested, and released IBM Rhapsody plug-ins (Java-based) to support the development of system architecture aligned with set modelling methodologies
- Owned and successfully executed end-to-end release activities, ensuring timely delivery of high-quality solutions

EDUCATION

B.Tech in Computer Science Engineering APJ Abdul Kalam Technological University

08/2018 - 07/2022

9.04

LANGUAGES

Malayalam
Native or Bilingual Proficiency

English
Full Professional Proficiency

Hindi
Full Professional Proficiency

Tamil
Full Professional Proficiency

SKILLS

Java

Spring Boot

Hibernate

REST APIs

Python

SQL/NoSQL

PostgreSQL

JUnit

Mockito

Postman

Docker

Jira

Data Structures

Object Oriented Programming

PROJECTS

MBD Systems Automation (08/2022 - 09/2023)

- Automated the E/E architecture modelling for automotive systems, enhancing efficiency and significantly reducing manual efforts.
- Developed an XML bridge between MBD tools, streamlining workflows and significantly reducing costs.
- Designed and tested Java based, IBM Rhapsody plug-ins for system architecture development.
- **Technologies:** Java, PREEvision, IBM Rhapsody, XML, Apache POI.

Product: LDF to DBC Conversion Tool (10/2023 - 01/2024)

- Developed a Python-based tool to automate the conversion of LDF (LIN Description Format) files to DBC (CAN database format). Integrated into a Spring Boot application with a lightweight Thymeleaf-based UI.
- **Technologies:** Python, Spring Boot, Thymeleaf, Docker.

Product: ReviewTool - ALM Application (02/2024 - Present)

- Contributed to the development of an ALM application for assessing workpackages and managing reviews across RTC, DNG, DOORS, and SDOM. Engaged in feature implementation, unit testing, documentation, and code reviews.
- **Technologies:** Java, Spring Boot, PostgreSQL, RESTful APIs, Postman, JUnit, Mockito, BitBucket.

Student Directory Management System

- Developed an application that automates the process of importing student data from an Excel sheet into a MySQL database. Implemented search functionality based on student name and admission number, as well as automatic email notifications to students with failed statuses.
- **Technologies:** Java, MySQL, SMTP (for email notifications).