

AKSHARA D

SOFTWARE DEVELOPER

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Bangalore

OBJECTIVE

A dedicated software developer with 4+ years of IT experience, specializing in designing, developing, and delivering scalable and efficient software solutions. Proficient in collaborating with cross-functional teams to build innovative applications that drive business success. Skilled in adapting to evolving technologies and leveraging industry best practices to ensure high-quality results. I aim to contribute effectively to challenging projects that add value to the organization. Seeking a dynamic role where I can utilize my expertise to solve complex problems, enhance productivity, and establish myself as a recognized contributor in the tech industry.

SKILLS

Language - Java

Architecture Pattern - Spring MVC

Framework - Spring Boot

Version Control - Git (GitLab & GitHub)

ORM - Hibernate & JPA

Data Base - MySQL & PostgreSQL

Testing Framework - Junit 4&5

Build Tool - Maven & Gradle

Tools - VS Code, Eclipse , SQL Workbench



HIGHLIGHTS

- Proficient in **Java programming language and Spring Boot Framework** with extensive experience in building high-quality, scalable, and maintainable applications.
- Strong understanding and implementation of **Spring MVC architecture pattern and Spring Security** standards, ensuring scalable, reliable, and secure.
- Experienced in working with various databases, including **MySQL, PostgreSQL** ensuring efficient data storage and retrieval in the application.
- Experienced in version control using **GitHub and GitLab**, ensuring seamless code management and collaboration across cross-functional teams.
- Proficient in project maintenance and automation tool using **azure devops** along with **AWS**, ensuring streamlined project management and effective communication among team members.



WORK EXPERIENCE

BOSCH GLOBAL SOFTWARE TECHNOLOGIES(BGSW)

FEB 2023 - MAR 2026

Software Engineer

ctrlX Automation: ModbusTCP

Description: Developed and enhanced a Java-based industrial gateway application that manages bidirectional Modbus communication for the Bosch Rexroth ctrlX CORE. Implemented robust client-server pipelines to programmatically read/write data across machine registers into real-time data payloads. Developed the Modbus Client for machine data requests and the Server for external system sharing. Optimized communication channels to increase transfer speeds by 30% while integrating Jenkins pipelines to automate deployments and reduce data delays by 25%.

Role:

- Gathered and translated business requirements into technical solutions.
- Designed scalable database architectures for optimized performance.
- Implemented Spring Boot and Hibernate for backend services.
- Collaborated with cross-functional teams to streamline development processes.
- Strengthened security with advanced authentication mechanisms.
- Performed unit testing and maintained code quality standards.

BOSCH GLOBAL SOFTWARE TECHNOLOGIES(BGSW)

NOV 2021 - JAN 2023

Software Engineer

DEVLOGICWARE

Description: Developed and enhanced a Java backend application that automates software updates and settings for factory machines. Implemented data pipelines to send configurations directly to machine controllers (MLC) and track execution responses. Grouped updates into single batches to accelerate the deployment process by 30%. Integrated the system with Jenkins CI/CD pipelines to ensure continuous delivery of control software.

Role:

- Requirement Analysis and Specification
- Database Design and Optimization
- Integration of Spring Boot and Hibernate
- Collaboration with the Development Team
- Unit Testing and Quality Assurance



EDUCATION

SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY

2017 - 2021

B.E. in Computer Science and Engineering | Percentage: 87%

VIVEKAM MATRIC. HR. SEC SCHOOL, COIMBATORE

2016 - 2017

Higher Secondary Certificate | Examination Score - 90%