

TO WHOM IT MAY CONCERN

Sub: Employment Information as per our records

Employee Name : Mr .Kodiganti Sudharshan
Employee Id : 2087531
Designation : Software Engineer
Date of Joining : 15 November 2021
Date Of Relieving : 21 February 2025
Role Description :

Mr. Kodiganti Sudharshan joined as an Jr. Software Engineer and has shown a lot of promise and considerable growth since. He is a responsible, hardworking, and honest person.

Sudharshan has been associated with the project and was involved in the initial transition and setup of the project. He engaged in providing IT services such as analysis and design, software development, user training, and technical consulting in the areas of programming. He has grown and played different roles in the project to meet client requirements, working on different modules and applications as a developer to fix bugs.

Sudharshan was promoted to the role of Software Engineer. In this capacity, he continues to ensure standards in customer deliverables and improving customer satisfaction by participating in various organizational activities. He has been improving himself with state-of-the-art skills in Java and related technologies, always meeting the intense and ever-increasing demand for the latest technologies in the IT industry.

Mr. Kodiganti Sudharshan responsibilities in the project have been summarized below and detailed out in the coming sections:

- Developed predictive models to identify potentially failing instruments, enabling proactive maintenance and reducing downtime.
- Implemented RESTful APIs for seamless backend integration
- Utilized Docker and Kubernetes for containerization and orchestration, streamlining the deployment process and improving resource management.
- Collaborated with cross-functional teams to gather requirements, design solutions, and ensure seamless integration with existing systems.
- Designed and implemented microservices using Spring Boot to enhance the scalability and maintainability of the PHM solution.
- Developed Spring Rest APIs based on departmental requirements and specifications.
- Developed DTO Classes and Methods to interact with the MySQL database to store and retrieve information.
- Created Virtual Private Cloud (VPC) and brought instances under them based on the requirement.
- Created Public and private subnets in the VPC and attaching them to the EC2 instances based on the requirement.

Technical Skills:

- **Languages:** Java
- **Web Services/Servers:** RESTful APIs
- **Frameworks:** Spring MVC, Spring Boot, Spring REST, Spring Data JPA
- **Databases:** MySQL
- **Containerization:** Docker, Kubernetes
- **Cloud Technologies:** AWS
- **Build and Deployment Tools:** Maven
- **Source Controls Management:** GIT
- **Project Management Tool:** Jira
- **Security Frameworks:** Spring Security

Tools/Software Used: Java, Spring framework, Springboot, Docker, AWS, Jira, Eclipse, IntelliJ Idea, Putty, WinScp, Github.

Project Overview: PHM-Prognostic Health Monitoring

PHM is a predictive capability that helps the organization identify “unhealthy” instruments—those that can potentially fail within a known timeframe. With access to these intelligent predictions, the organization can take proactive measures to prevent instrument failures. The PHM solution empowers the organization with this capability.

Thanking you,

Yours Faithfully,

For **Cognizant Technology Solutions India Private Ltd.**



J S Srividya
Sr. Manager - HR

14 December 2024



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