AJITH K

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EDUCATION

Java Full stack Development Brototype
July 2023 - July 2024

Diploma in Electrical
Govt ITI Deshamangalam
2020 - 2022

LINKS

Github:// **ajith k prakash**
LinkedIn:// **ajith k prakash**

SKILLS

PROGRAMMING

Backend
- Java
- Spring
- Spring Boot
- JPA
- Hibernate
- Criteria Queries
- Keycloak
- APISIX
- Rabbitmq
- Kafka
- Zookeeper
- Tomcat
- Linux
- Vim
- Design Patterns
- REST API
- Collections Framework
- Exception Handling
- Microservices

Databases
- Neo4j
- Solr
- PostgreSQL
- MySQL
- Cassandra

Familiar with
- Git
- Docker
- Kubernetes
- Jenkins
- GitHub Actions
- AWS (EC2)

LANGUAGES

- English • Malayalam

ABOUT

Research-oriented Backend Developer with experience in designing and developing highly scalable APIs using Java, Spring, and Spring Boot. Strong background in building microservices and optimizing backend performance. Experienced in leading and collaborating with teams to deliver reliable, production-ready solutions. Committed to continuous learning, problem-solving, and applying best practices to create efficient and maintainable systems.

WORK EXPERIENCE

BACKEND DEVELOPER

NECTAR. *Ernakulam, Kerala*   July 2024 - Present

- Collaborated with frontend and mobile developers to build highly scalable APIs, including complex filtered and paginated endpoints. Managed multiple databases for different purposes — Neo4j for hierarchy management, Solr for search, PostgreSQL for relational data, and Cassandra for historical data storage.
- Worked on complete end-to-end installation of the product, including Keycloak, APISIX, Tomcat, RabbitMQ, Kafka, Zookeeper, and multiple databases. Successfully created a replica of the production environment in the office for staging and testing purposes.
- Participated in agile ceremonies, consistently delivering high-quality code on tight deadlines.
- Engaged in product releases and code reviews with senior developers and team leads.

PROJECTS

- **CAFM with IoT Integration:** Developed custom APIs supporting pagination, complex hierarchical filters, and flexible data grouping (hourly, monthly, yearly) to enable efficient facility management and real-time data processing. Worked on real-time site integration by connecting physical equipment to the system through sensors and gateways, enabling data flow via RabbitMQ message queues.
- **Attendance Management System:** Designed and developed the backend module for real-time attendance tracking, including employee status visualization, shift-wise reporting, and exportable summaries. Implemented geofence-based location tracking logic.
- **Planned Preventive Maintenance (PPM) Automation:** Worked on automatic PPM job generation across all hierarchical levels, enabling configurable scheduling (monthly, quarterly, yearly). Automated the creation of maintenance jobs to streamline facility operations and reduce manual intervention.

MINI PROJECTS
PLAN-B |

- Plan-B is a project management tool that allows users to efficiently plan and manage work by dividing tasks and assigning them to team members, enabling timely project completion.
- Technologies Used: Spring Boot, Hibernate, PostgreSQL, React, Docker, Git
- Github:// **plan b**