

KEVAL KRISHNA

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Education

BMS Institute Of Technology, Bangalore

December 2020 - 2024

B.E in Computer Science

CGPA: 8.57

Skills

Technologies: Spring, Web Development, Backend, ReactJs

Languages: Java, OJET, C, JavaScript, HTML, CSS

Experience

Software Engineer at Oracle

August 2024 - Present

BHE

- **Crew Management:**
 - * **Migrated the Crew Management Plugin**, which creates a crew of technicians while considering their calendar, assisting in resource management, from JavaScript to OJET.
 - * Optimized API communication by **generalizing API calls** and implementing **OAuth tokenization** for secure authentication, with basic authentication as a fallback, and a modular authentication flow for seamless switching between methods.
 - * Developed **offline mode functionality**, ensuring uninterrupted usage even with limited connectivity.
 - * Achieved **99.9%** uptime, improving system reliability and availability.
- **Find My Resource:**
 - * Developed a plugin that **finds resources based on their availability, work zone, work skill, and work schedule**, displaying them in a tabular format. The plugin helps the dispatcher book a slot for a particular technician.
 - * Developed an API using **Oracle Integration Cloud** that creates a placeholder activity for the desired resource, which can later be updated to the desired activity type.

NCR

- **Parts Search Plugin:**
 - * Developed a plugin that enables technicians to **efficiently search for required inventory** among hundreds of available items, reducing search time and enhancing efficiency.
 - * Utilized the OFS Plugin to allow technicians to **search for inventory not only within their current stock but also in the nearest warehouses**, ensuring faster access to required parts.

Projects

ContactSphere | *Java, Spring Boot, Spring Security, JWT, sql, Thymeleaf* – [Github](#)

- **Developed a user management system** where users can store contacts, create, edit, and delete them.
- **Authentication:** Secure login through **OAuth via Google, GitHub, and password-based authentication**, handling **100%** encrypted credentials using Spring Security
- **User & Contact Management:** Each user can log in, view a personalized dashboard, **add contacts, and delete contacts**. Responsive UI built with **Thymeleaf and Flowbite**, ensuring a **100%** mobile-friendly experience.
- **Security & Authorization:** Implemented Spring Security for role-based access control, reducing unauthorized access risks by **99%**. Utilized **SQL** for efficient data storage and retrieval of user and contact information.

ProjectTimeEntry | *React, Spring, Spring security, Sql*

- Developed a **time entry application** for employees where they can enter against their project the working hours for the week and each day can be divided into tasks worked on.
- Developed a **comprehensive dashboard** that enabled managers to monitor employee utilization rates and track project completion metrics in real-time, enhancing accountability across 15 active projects for improved performance oversight.
- **Leveraged complex tables and joins** in sql to store the employee and project data, provided security with spring security. Used Spring security to authenticate employees and employer.
- Implemented **Spring Security**, with role-based access control for employees and employers.

Achievements

Leetcode – [Profile](#)

Solved **400+** questions and participated in **8 contests**, achieving a ranking of **1600**.

KSCST

Developed a **VR project for rural education**, which received funding from **KSCST** and was published as a research paper.