







# SACHITH RANGANA

Software Engineer

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## PROFILE SUMMARY

Aspiring Software Engineer with 6 months of industrial experience, seeking to leverage my foundational skills and hands-on experience in software development to contribute to innovative projects. Eager to apply my problem-solving abilities and collaborate with cross-functional teams to deliver high-quality software solutions, while continuously learning and growing in the field.

## SKILLS

### Programming | Expression Languages

- Java
- JavaScript
- TypeScript
- SQL
- HTML
- JSON
- Jakarta EL
- RegExp

### Back-end Frameworks and Libraries

- Java SE
- Spring Boot
- Spring Data
- Spring Framework
- Spring Security
- Jackson Data Bind
- Jakarta EE (Glassfish, Tomcat)
- Hibernate

### Front-end Frameworks and Libraries

- Angular
- ReactJs
- Firebase
- Bootstrap
- MaterializeCSS
- Animate.css
- Tailwind CSS

### Database

- MySQL
- PostgreSQL
- MariaDB
- MongoDB
- Firebase Firestore

### IDEs | Tools | Package Managers

- IntelliJ Idea
- VS Code
- Data Grip
- Postman
- Lombok
- Docker & DockerHub
- Maven
- npm
- Mockoon

## WORK EXPERIENCE

### PeakCare Medical - Healthcare Management System - ISE (Pvt) Ltd

2024-JAN - 2024 MAY

#### Trainee Software Engineer

- By integrating all clinical and administrative tasks, a healthcare management system (HMS) improves patient care and healthcare administration.
- I contributed with backend development while ensuring safe, scalable features for this project, concentrated on Spring Boot-based patient management feature.
- Technologies: Spring boot, MySQL, Hibernate JPA, REST API

### ProtoPlaza E-Commerce Platforms - ISE (Pvt) Ltd

2024-MAY - 2024 AUG

#### Trainee Software Engineer

- It is developed with a responsive, user-friendly manner, while enabling user registration and authentication and effective data connection with backend services.
- I have contributed to frontend development using Angular.
- Technologies: Angular, Angular Material, REST API

## PROJECTS

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### Finance Management Application

- Developed backend and frontend with Spring Boot and Angular for managing income/expense records, including CRUD operations, financial summaries (max/min values, balance, totals), and graph-based visualizations for enhanced insights.

Technologies: Spring Boot, Angular, PostgreSQL, Hibernate JPA, REST API

### Online Learning Platform Application

- Developed an online learning platform using Spring Boot to manage users, courses, modules, topics, and comments, providing a structured and interactive educational experience.

Technologies: Spring Boot, MySQL, Hibernate JPA, Docker, Lombok

### Employee Management Application

- Built an employee management app supporting CRUD operations to create, update, and delete records. The app also includes form validation, a reset feature for incorrect entries, and uses a mock REST API to simulate backend processes.

Technologies: JavaScript, HTML, CSS, Bootstrap

### To Do List Application

- Developed a to-do list application allowing users to add tasks through an "Add Task" button and delete tasks via a dedicated trash button, providing an intuitive task management experience.

Technologies: jQuery, HTML, CSS, Bootstrap

## WORK EXPERIENCE

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### South Asia Textiles Industries Lanka Pvt. Ltd.

2021 DEC - 2023 FEB

#### Executive Engineer

- Enhanced expertise in technical management, maintenance, and engineering design.
- Modified Stenter machines; designed engineering drawings.
- Conducted preventive maintenance of factory machinery.

### Siam City Cement(Lanka) Ltd.

2021 JAN - 2021 JUN

#### Trainee Mechanical Engineer

- Assisted in conveyor belt modification and AutoCAD drawings.
- Experienced in cement grinding machinery and preventive maintenance.
- Gained skills in vibration analysis and technical documentation.

## EDUCATION

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### BEng (Hons) Mechanical Engineering

(2021 Jan-2022 Jan)

- De Montfort University(UK)

### National Diploma in Technology (Mechanical Engineering)

(2017 Jan - 2020 Jan)

- Institute of Technology, University of Moratuwa

### St. Thomas' Collage, Matara

(2007 - 2014)

## LANGUAGES

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- English (Fluent)
- Sinhala (Native)

## REFERENCES

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