

# Rangam Likhith Lochan

Software engineer

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GitHub Profile

LinkedIn Profile

## EXPERIENCE

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### •Svaya Robotics

Sep 2023 - present

Software developer

- Engaged in developing a Spring Boot RESTful backend for a payroll management system, incorporating role-based access control (RBAC) using JWT authentication.
- Architected an admin-driven employee onboarding workflow using secure email invitations and UUID-based tokenized links for first-time password setup.
- Implemented secure REST APIs for employees to log in, view, and download their own payslips via AWS S3 pre-signed URLs, ensuring complete access isolation and data privacy.
- Integrated Amazon S3 as the cloud storage backend for payslips, leveraging AWS SDK v1 for multipart uploads, object tagging, and region-specific configuration.
- Built a dynamic PDF generation engine to auto-create salary slips from uploaded data; files were immediately uploaded to Amazon S3 with strict naming conventions and metadata.
- Applied Spring Security and BCrypt password hashing to enforce secure authentication, and implemented a custom GlobalExceptionHandler for clean API error responses.

### •Wipro

Apr 2022 - Aug 2023

Software developer

- Designed, developed, and maintained Java-based microservices using Spring Boot and SQL, ensuring reliable and scalable backend functionality.
- Built high-performance RESTful APIs, leveraging Redis to cache frequent queries and reduce backend and boost in response speed and smoother client interactions
- Used tools like Postman, and JUnit for API testing , improving debugging speed and code quality.

## TECHNICAL SKILLS AND INTERESTS

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**Languages:** Java ,Python , C++

**Frameworks & Libraries :** Springboot, ReactJs , Junit

**Messaging & Streaming Technologies:** Apache Kafka

**Databases & Caching:** SQL , Redis

**Web Dev Tools & Platforms:** IntelliJIdea,VScode, Git, Github , Docker

**Certifications :** AWS cloud practitioner

## PROJECTS

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### •Fitness app

GitHub link Tech Stack: Spring Boot, React Js, MongoDB, Postgres, Docker, Maven

- Designed a fitness-tracking platform with Spring Boot microservices: user-service (PostgreSQL) manages user data and fetches activity history; activity-service (MongoDB) records user activities and sends them to ai-service via RabbitMQ.
- Developed ai-service to consume activity messages, invoke the Gemini AI API using an API key, and store personalized recommendations, suggestions, and safety guidelines in MongoDB.
- Centralized service configurations using Spring Cloud Config Server and enabled inter-service communication and discovery through Eureka.
- Implemented a secure API Gateway for routing and authentication, built a modern frontend using React + Vite, and containerized the full stack (including RabbitMQ and Redis) using Docker Compose for scalable deployment.

### •Kafka-Based Microservices

GitHub link Tech Stack: Spring Boot, Spring Kafka, Docker , Maven

- Developed and deployed two Spring Boot microservices (Producer and Consumer) demonstrating event-driven architecture using Apache Kafka.
- Integrated Kafka with Spring Boot using Spring Kafka to publish and consume messages in real time, showcasing understanding of topics, partitions, and message flow.
- Containerized both services with Docker and orchestrated them along with Kafka and Zookeeper using Docker Compose for streamlined multi-container deployment.
- Structured the project with modular directories (/producer, /consumer, and central docker-compose.yml) for clear separation of concerns and maintainability

## EDUCATION

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### –Bachelor of Technology in Mechanical Engineering

2018-22

Jawaharlal Nehru Technological University, Hyderabad

CGPA: 8.01