# Subodh Kumar

## Software Engineer

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github   linkedin

## Summary

Results-driven software engineer with 2+ years of experience specializing in core Java, Spring Boot, Spring MVC, and microservices architecture. Demonstrated expertise in designing and developing RESTful APIs. Skilled in implementing secure backend systems with Spring Security and OAuth2, enhancing data protection and user authentication. Extensive experience managing SQL and NoSQL databases, including MySQL and MongoDB, with a focus on optimizing query performance. Adept at Agile development practices, collaborating with cross-functional teams to deliver high-quality software solutions.

## Skills

Java (8–17), Spring Boot, Spring MVC, Spring Cloud, Spring Data JPA, Hibernate, React, Microservices Architecture, RESTful APIs, OAuth2, JWT, Spring Security, AWS (S3, DynamoDB, Lambda), GCP, MySQL, MongoDB, PostgreSQL, Redis, Cassandra, Kafka, ActiveMQ, RabbitMQ, Eclipse, VS Code, Maven, Docker, Jenkins, Tomcat, Git, GitHub, GitLab, Bitbucket, Maven, Gradle, CI/CD

## Education

**Bachelor of Technology in Computer Science and Engineering**

Shaheed Bhagat Singh State Technical Campus
Aug 2016 - Oct 2020

## Work Experience

**Infusion Analysts**                    May 2023 - Present

Software Engineer

Developed a comprehensive system to manage the entire employee lifecycle, including recruitment, payroll, attendance, and performance evaluations. Designed and implemented RESTful APIs for seamless communication between frontend and backend. Integrated Gmail for automated notifications and employee communication, enhancing HR process efficiency. Used Spring Boot and Spring Security for secure and scalable backend services, ensuring data protection and user authentication. Utilized MySQL for efficient database management, ensuring secure storage and retrieval of employee data. Enhanced system security by implementing OAuth2 authentication and JWT (JSON Web Tokens) for secure API access across microservices. Built a user-friendly frontend with React, providing HR personnel with an intuitive interface for managing employee records. Collaborated in testing and validation of system functionality, ensuring smooth deployment and operation.

**Optum Global Solutions (UnitedHealth Group)**      Dec 2020 - Jun 2021

Technology Apprentice

Collaborated with the ITSO team as a junior software developer to maintain and design internal site pages. Developed and deployed responsive web pages using HTML, CSS, React, Bootstrap, and JavaScript, enhancing user experience and functionality.

## Projects

**HREMS Project**                    2024

Developed a comprehensive system to manage the entire employee lifecycle, including recruitment, payroll, attendance, and performance evaluations. Designed and implemented RESTful APIs for seamless communication between frontend and backend.

**Interior Design Microservice Application**      2024

Developed a microservice-based application to enhance customer experience and streamline operations for an interior design company.

**RTSG Trading Application**                2023

Played a key role in the development of the RTSG Trading Application, serving SGX Singapore and other international markets.