



# Sanjay Thangaraj

Aspiring Backend Developer

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🌐 <https://sanjay-thangaraj.me>

## Skills

### Java

OCA Java SE 8 Programmer

### Spring Framework

Spring Boot, Spring Web, Spring Security, Spring Data JPA

### DevOps

Docker, Git

### Other Technologies and Librabies

TypeScript, Angular

## Certifications

### Oracle Certified Associate, Java SE 8 Programmer

Oracle University

🌐 <https://bit.ly/oqa-javase8-cert>

## Profiles

[in](https://www.linkedin.com/in/sanjay-thangaraj) [in/sanjay-thangaraj](https://www.linkedin.com/in/sanjay-thangaraj)

[sanjaythangaraj](https://github.com/sanjaythangaraj)

## Summary

I am passionate about developing software. I am specifically interested in developing backend systems that are reliable, highly scalable, and easily maintainable—interested in microservices and serverless architecture. My skills include Java, Spring, TypeScript, Docker, Git, etc. Additionally, my education in Software Engineering has taught me the importance of modular, loosely coupled components and system designs.

## Experience

### Mindsprint

September 2023 - July 2024

Technical Consultant

Chennai

🌐 <https://www.linkedin.com/company/mindsprint/>

### Mindsprint

February 2023 - September 2023

Intern

Chennai

🌐 <https://www.linkedin.com/company/mindsprint/>

## Education

### Dr. M.G.R. Educational and Research Institute

June 2021 - May 2023

Computer Science and Engineering

M. Tech

80.75%

### SRM Institute of Science and Technology

June 2016 - May 2020

Software Engineering

B. Tech

86.37%

## Interests

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### Software Design

Software Architecture, Scalability, Modularity, Maintainability, Clean Architecture, Hexagonal Architecture

### Functional Programming

Scala

### Distributed Computation

Decentralised Networks, p2p Networks, Go

## Languages

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### English

Professional Proficiency

### Tamil

Native or Bilingual Proficiency

## Projects

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### Full Stack - Spring with Angular

WhatsApp Web Clone

<https://bit.ly/quick-chat-repo>

- A web-based instant messaging app to send text and media messages.
- Ensures real time updates with Server-Sent Events (SSE).
- Secures user sessions with Keycloak JWT-based authentication.

Spring Boot, Spring Security, Spring Data JPA, Postgres, Angular, Server Sent Events, JWT, Keycloak, OAuth, Docker

### RBAC Spring Security Demo API

A REST API secured with Spring Security

<https://github.com/sanjaythangaraj/rent-video>

- A simple REST API that uses Spring Security with Basic Auth and JWT for authentication and authorization.
- Implements Role Based Access Control (RBAC).

Spring Boot, Spring Security, Spring Data JPA, Postgres, JWT, REST, API, RBAC, Docker

### REST API - Spring

A simple REST API

<https://github.com/sanjaythangaraj/online-grocery>

Spring Boot, Spring Data JPA, Postgres, REST, API, Docker

### Java Microservices - Spring

REST APIs as microservices

<https://bitbucket.org/noozecrypt/laundry-application-backend>

- A suite of microservices built in the Spring Ecosystem.

Spring Boot, Spring Cloud Discovery, Spring Cloud Gateway, Docker, Postgres

### Java Multithreading - Fork/Join

Blur Image Tool

<https://bitbucket.org/noozecrypt/distributed-computation-go>

- This is a simple application written in Java to demonstrate computation using multiple cores.
- It uses the Fork/Join framework from the JDK.
- The program uses java swing for the application's front-end.

Java, Multithreading, Concurrency

### Go Distributed Computation

Matrix Rows and Columns Summation

<https://bitbucket.org/noozecrypt/distributed-computation-go>

- This is a simple application written in Go to demonstrate distributed computing.
- It uses the libp2p networking stack.
- The program is run either as a server or as a client.

Go, Distributed Computing