

# Sourav Modak

528-30 Tretti way, North York, Toronto, Ontario – M3H 0E3

+1 437 602 9840 | [official.srv.modak@gmail.com](mailto:official.srv.modak@gmail.com)

<https://www.linkedin.com/in/modaksourav/>

<http://souravmodak.com/>

Java Spring Boot and microservices specialist with over four years of experience in backend development and API integration, focused on high availability and scalable solutions. Adept at building secure, fault-tolerant microservices architectures with tools like Spring Cloud, AWS EKS, and Docker. Skilled in leading agile teams, optimizing CI/CD pipelines, and integrating logging and monitoring solutions for real-time insights. Passionate about leveraging cloud technologies and best practices to deliver impactful, reliable software solutions.

## Skills

JAVA Backend development and Microservices, REST API, Spring Boot and J2EE Servlets, Core Java, Advance Java, Docker and Kubernetes, AWS Cloud, EKS CLuster, Jenkins, splunk cloud, Hystrix, GITLab, RTC, github, bitbucket, JIRA, C, C++, python, Javascript, Data structures, algoritms, SQL & relational databases, Android app development, HTML, CSS, PHP.

## EXPERIENCE

### Specialist Programmer

August 2021 – August 2023

INFOSYS Bangalore (Bengaluru), India

- Engineered and optimized the Spectrum OTT platform for Charter Communications, focusing on high availability, scalability, and load handling using Java 8, Java 17, and Spring Boot and microservices.
- Architected authentication and authorization solutions using Spring Security, ensuring compliance with OAuth2 and JWT for secure token-based authentication.
- Developed and managed a microservices-based architecture utilizing Spring Cloud components, such as Netflix Hystrix for fault tolerance.
- Utilized JPA/Hibernate for data persistence, optimizing database interaction with PostgreSQL and Oracle databases.
- Built and deployed containerized applications on AWS EKS (Elastic Kubernetes Service), leveraging Docker and Helm for container orchestration and package management.
- Automated CI/CD pipelines through GitLab, Jenkins, and Terraform, integrating SonarQube for static code analysis and maintaining code quality.
- Integrated logging and monitoring solutions using Splunk cloud implementing log aggregation, monitoring, and alerts for real-time system insights.
- Leveraged JIRA for agile project management, tracking issues, and planning sprints, in alignment with DevOps practices.
- Mentored and led a team of six developers, conducting technical code reviews, and facilitated continuous learning through internal knowledge-sharing sessions.

### Software Engineer (Banking software & Fintech)

July 2019 – August 2021

TEMENOS INDIA PVT Ltd, Bangalore (Bengaluru), India

- Contributed to the corporate lending team, enhancing and maintaining T24, Temenos' flagship banking product, ensuring compliance with financial regulations.
- Engineered modules for syndicated loans, interest and charges, and retail banking leveraging Spring Boot for microservices architecture.
- Developed REST APIs for seamless communication between T24 backends and frontend applications, ensuring technology agnosticism and facilitating integration flexibility.

- Collaborated closely with UI teams to implement continuous integration of backend services via an API Gateway, maintaining loose coupling between front and backend systems.
- Utilized Swagger and proprietary frameworks built on Spring Boot to define and document REST APIs, enhancing developer collaboration and API usability.

## Intern

January 2019 – June 2019

TEMENOS INDIA PVT Ltd, Bangalore (Bengaluru), India

- Worked as intern at Temenos during college last semester, understanding company, working with various teams and understanding the Fintech world.
- Converted that internship into a full time job offer from Temenos to work on their flagship product T24.

## Certifications

Microsoft Technology Associate Certification on Networking Fundamentals.

## Education

**Post Graduate Certificate in Information Technology Solutions**  
Humber Polytechnic (North Campus)

September 2023 – Present

**Bachelor of Technology in Computer Science and Engineering**  
SRM University (Chennai)

June 2015 – May 2019

**Class 12 in Science Stream**

March 2014

Kendriya Vidyalaya No. 2 SVN Visakhapatnam

## Projects

**OTT Platform**

May 2024 – Present

- Create an OTT platform with all Web, App and TV app modules as an independent project.
- Collaborated with other devops friends to deploy it as a part of their project
- <https://github.com/official-srv-modak/OTTServer>

**Cameroscopy App**

December 2020 – Present

- Create and deployed a research app tool in playstore in collaboration with IACS Kolkata.
- Managing and maintaining the app to the present day with defect fix and enhancements.
- [https://play.google.com/store/apps/details?id=com.souravmodak.cameroscopy&hl=en\\_CA](https://play.google.com/store/apps/details?id=com.souravmodak.cameroscopy&hl=en_CA)

## Links

- <https://github.com/official-srv-modak>
- <https://github.com/srvmodak656>
- [https://play.google.com/store/apps/dev?id=8784185079574892236&hl=en\\_CA](https://play.google.com/store/apps/dev?id=8784185079574892236&hl=en_CA)