

# Sourav Modak

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OPEN WORK PERMIT valid till Aug 2028

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- <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)
- <https://souravmodak.com/>

Software specialist with over 4 years of experience in backend development and API integration, focused on high availability and scalable solutions. Adapt at building secure, fault-tolerant microservices architectures with tools like **Spring boot**, **AWS Cloud** and **Azure Cloud**, 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.

## Experience

### Software developer

May 2025 – Present

Think Swift, Toronto, Canada

- Leading development of Balkan Date, a cross-platform dating app using Spring Boot, MySQL/PostgreSQL, and React Native, deployed on Azure Kubernetes Service (AKS).
- Built a secure, scalable backend with custom auth and HLS-based media streaming via FFMPEG.
- Set up Azure cloud infrastructure with ACR and GitLab CI/CD for automated deployments.
- Implemented GitLab pipelines with a self-hosted Nexus for Maven artifact management.
- Established the IT department, building QA, Testing, and DevOps teams from the ground up.
- Defined CI/CD workflows, version control standards, and agile processes for delivery.
- Managed mobile release pipelines for Play Store and App Store across testing tracks.
- Enforced security, compliance, and QA protocols for smooth, compliant app submissions.
- Project: <https://balkan-date.com> (or google search “Balkan Date”).

### Specialist Programmer

August 2021 – August 2023

INFOSYS, Bangalore (Bengaluru), India

- Optimized the Spectrum OTT platform for Charter Communications with high availability and scalability using Java 8/17, Spring Boot, and microservices.
- Implemented secure authentication/authorization with Spring Security, OAuth2, and JWT.
- Built microservices with Netflix Hystrix for fault tolerance and resilience.
- Used JPA/Hibernate for persistence with PostgreSQL and Oracle databases.
- Deployed containerized apps on AWS EKS using Docker and YAML manifest.
- Automated CI/CD with GitLab, Jenkins, and SonarQube for code quality checks.
- Applied Agile practices via JIRA for sprint planning and issue tracking.
- Led a team of 6 developers, conducted code reviews, and promoted internal learning.

### Software Engineer

July 2019 – August 2021

TEMENOS INDIA PVT Ltd, Bangalore (Bengaluru), India

- Enhanced and maintained T24 (Temenos) core banking modules, ensuring regulatory compliance in corporate lending.
- Built microservices for syndicated loans, interest, charges, and retail banking using Spring Boot.
- Developed REST APIs to simplify and modularize T24 backend integration with frontend systems.
- Integrated backend services with UI via API Gateway, enabling loosely coupled architecture.
- Used Swagger and proprietary Spring Boot-based frameworks for API documentation and collaboration.

## Core Skills

- **Languages & Frameworks:** Java (Core, Advanced), J2EE Servlets, Spring Boot, JPA, REST API, Node.js
- **Architecture:** Microservices, API Gateway, Hystrix, Kafka, Redis
- **Technologies:** React, JavaScript, HTML, CSS, PHP
- **Platforms:** Android App Development
- **Store Management:** Google Play Store, Apple App Store
- **Cloud Providers:** AWS (EKS), Azure (AKS)
- **Containers & Orchestration:** Docker, Kubernetes
- **CI/CD & Monitoring:** Jenkins, GitLab, Splunk Cloud
- **Tools:** GitHub, Bitbucket, RTC, JIRA
- **SQL & RDBMS:** PostgreSQL, MySQL, Oracle, SQL
- **ORM & Testing:** JPA, Hibernate, Junit.
- **Languages:** C, C++, Python
- **Computer Science:** Data Structures, Algorithms

## Education

PG Diploma in Information Technology Solutions (Humber Polytechnic)

September 2023 – April 2025

88.8%

Bachelors of Engineering in Computer Science (SRM University)

June 2015 – May 2019

84.03%