Goutam Mandloi

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Summary

A recent Computer Science graduate with a DevOps mindset and a passion for building scalable systems. I bring hands-on experience in developing secure Java/Spring Boot microservices and managing the entire deployment lifecycle with tools like Jenkins, Docker, Kubernetes, and Terraform. I am eager to apply my skills in both development and automation to contribute to a forward-thinking engineering team.

Experience

Spring Boot Developer Intern   Mar 2025 – Present
Pankaj Sir Academy Bangalore — On-site

- Developed and maintained RESTful APIs for individual microservices using **Spring Boot**, contributing to a distributed application architecture.

- Implemented the persistence layer for services using **Spring Data JPA** and **Hibernate** to interact with a **MySQL** database.

- Secured API endpoints by implementing authentication and authorization mechanisms using **Spring Security**.

Java Developer Intern   Jun 2024 – Sep 2024
Coding Shuttle — Remote

- Developed a feature-complete monolithic web application using a Model-View-Controller (MVC) architecture with Java and Spring Boot.

- Implemented a robust security layer using Spring Security and OAuth2 for user authentication and role-based authorization.

- Created a comprehensive testing suite using JUnit 5 and Mockito to ensure code quality and reliability, achieving high code coverage with Jacoco.

- Utilized Spring Boot Actuator for application monitoring and implemented SLF4J for effective logging.

Skills

Languages & Frameworks	Java, Spring Boot, Spring Cloud (Gateway, Feign), Spring Security, Spring Data JPA, Hibernate
Developer Tools & APIs	REST APIs, Git, GitHub, Swagger, Jira
IDEs & Servers	IntelliJ IDEA, Eclipse, STS, Apache Tomcat, Eureka Server
Databases & Caching	MySQL, PostgreSQL, Redis, AWS S3
Event Streaming	Apache Kafka
Testing Tools	JUnit, Mockito, Jacoco, Postman
CI/CD & Build	Jenkins, GitHub Actions, Maven
Containerization & IaC	Docker, Kubernetes (EKS), Terraform, Ansible
Monitoring & Logging	ELK Stack (Elasticsearch, Logstash, Kibana), Zipkin, SLF4J
Platforms	AWS, Linux, Ubuntu
Core Competencies	Problem-Solving, Teamwork & Collaboration, Continuous Learning, Agile Methodologies

Projects

Hotel Management System (Microservices)   GitHub Link
Tech Stack: Java, Spring Boot, Spring Cloud, Kafka, AWS S3, MySQL, Docker

- Architected a distributed application with microservices for **User, Property, Booking, and Payment**, using **Spring Cloud Gateway** for API routing and **Eureka** for service discovery.
- Engineered an event-driven notification system using **Apache Kafka** to ensure asynchronous, reliable communication for booking confirmations and updates.
- Implemented robust security using **Spring Security** with **JWT-based authentication** to protect endpoints and enforce role-based access control (RBAC).
- Integrated **AWS S3** for scalable, secure storage and retrieval of property images and user documents.

Ride Booking Application (Monolithic MVC)   GitHub Link
Tech Stack:ava, Spring Boot, Spring Security, Spring MVC, Thymeleaf, PostgreSQL, JUnit 5, Mockito

- Built a monolithic web application based on the MVC architecture to create a platform connecting drivers and riders.
- Developed a secure user management system with role-based access (rider, driver) using Spring Security, including registration and login functionality.
- Designed and implemented the core booking logic, allowing users to search for rides, make bookings, and view their ride history.
- Created a comprehensive test suite with JUnit 5 and Mockito to validate business logic and ensure application reliability.

Education

B.Tech in Computer Science and Engineering, Medi-caps University, Indore	Aug 2023 -May 2025
B.Sc in Computer Science, Medi-caps University, Indore	June 2021 -July 2023

Certifications

- **Spring Boot 0 to 1** — Coding Shuttle   Sep 2024
- **Python Essentials** — Cisco   Apr 2024
- **Core and Advanced Java** — TehnoSoft Informatics   Mar 2024

Publications Presentations

- **KrishiDisha: Revolutionizing Agriculture with Intelligent Recommendations, Disease Detection, and Yield Prediction**
  IEEE International Conference on Engineering Innovations and Technologies (ICoEIT-2025)   July 2025

- **A Review on Understanding the Patterns of Student Dropout**
  World Congress on Smart Computing (WCSC2024), published by Springer   June 2024

Extra-Curricular Activities

- **RunnerUp-National Transtemporal tattle trials 2021** inurture education pvt.ltd   January 2022