

# Roshan Melanta

Software Engineer

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## Summary

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Proficient Software Engineer with extensive experience in developing and maintaining Java-based applications, specialising in Spring Boot, Microservices, and AWS Cloud. Proven track record of implementing RESTful API services, enhancing API security, and leveraging TDD practices to achieve high code coverage. Adept at collaborating with cross-functional teams using Agile methodologies to optimise workflow processes.

## Skills

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**Languages/Databases:** Java, Python, Oracle, MySQL, PostgreSQL, MongoDB

**Web Technologies:** Angular, Node JS, React JS, HTML, CSS, JavaScript, JSON, XML

**Software & Tools:** Spring boot, Maven, Apache Kafka, Postman, Git, Docker, Kubernetes, Jenkins, JIRA

**Cloud Technologies:** AWS (Amazon Web Services)

**Certifications:** AWS Certified Developer Associate

## Education

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**Nottingham Trent University** – MSc Computer Science Sept 2022 – Dec 2023

Relevant coursework: Advanced Software Engineering, Systems Analysis and Design, Service-Oriented Cloud Technologies, Applied Artificial Intelligence, Mobile Interactive Systems.

**University of Mumbai** – B.E in Electronics Engineering June 2016 – Oct 2020

## Experience

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**Software Engineer**, Sacumen – Remote Sept 2024 – Present

- Contributed to the development of BANCO application utilizing Java 11, Spring Boot, Microservices, AWS Cloud, and the Spring Framework.
- Implemented RESTful API services to process files to AWS S3 cloud for different functionalities.
- Integrated OAuth2 and JWT for API security, enabling secure token-based authentication across microservices.
- Worked on TDD using JUnit and Mockito frameworks functional test suites.
- Designed and implemented API endpoints for data retrieval and manipulation, supporting both JSON and XML payloads for versatile client interactions.

**Software Engineer**, Capgemini – Mumbai, India Oct 2020 – Sept 2022

- Developed and maintained Java-based applications with Spring Boot and participated in all software development life cycle phases, including requirements gathering, design, implementation, testing, and deployment.
- Increased code coverage to 80% by implementing TDD practices with JUnit and Mockito performing unit and integration tests.
- Implemented Jenkins CI/CD pipeline using GitHub Webhook, Sonarqube, and Docker on AWS EC2 instances.
- Developed a user-friendly and intuitive web front-end with Angular JS, simplifying user registration and boosting customer engagement.
- Collaborated effectively with cross-functional teams, leveraging Agile methodologies to optimise workflow processes and achieve a 15% reduction in project turnaround time.

- Leveraged Python and Django to develop a sophisticated model for tracing and categorizing customer feedback, enabling admins to gain valuable insights into customer sentiment and identify areas for improvement.
- Generated technical documentation for the project, including API reference documentation, code comments, and inline documentation.

## Projects

### **Android Notes Application**

<https://github.com/roshanmelanta/ScribblePad-Notes-App>

- Developed and deployed a user-centric notes application with seamless functionality, enabling users to create, edit, and delete notes effortlessly.
- Ensured data security and cross-platform synchronization by implementing Firebase Firestore as the cloud database, and enhanced user experience by integrating camera access for direct image insertion into notes.

### **Shares Brokering Service**

[github.com/roshanmelanta/Shares-Brokering-Web-Service](https://github.com/roshanmelanta/Shares-Brokering-Web-Service)

- Designed and implemented a Shares Brokering system utilizing Web Services, seamlessly integrating a shares acquisition service with an external currency conversion service to ensure operational efficiency.
- Integrated two external RESTful services into the system: one for real-time currency exchange rates and another for retrieving the latest share value of specific companies, enhancing accuracy and accessibility.