AMAN KUMAR

Software Development Engineer

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📍 Stuttgart, Germany

EXPERIENCE

Software Developer

Tata consultancy services - Client Deutsche Bank

📅 08/2022 - 08/2024   📍 Bengaluru, India

- Developed over 15 REST APIs for microservices, integrating SAP backend data via SOAP-based web services, achieving a 30% improvement in data accessibility and enabling attribute-specific updates, which boosted user engagement by 20%.
- **Resolved Java Out Of Memory Error** by diagnosing and addressing memory leaks, optimizing the release of proxy objects after backend calls, and effectively preventing heap memory errors, thereby enhancing application stability and performance.
- **Upgraded core Java microservice** from **Java 8 to Java 17**, enhancing performance, security, and scalability, while ensuring seamless compatibility with existing systems and minimizing downtime during the migration.
- **Resolved Kafka consumer issue** by increasing the **timeout configuration** and **reducing** the **poll size**, addressing data consumption delays due to timeout errors and optimizing message processing efficiency.
- **Enhanced error handling** by implementing logging for default error cases, enabling identification of unhandled issues and improving troubleshooting capabilities.
- **Designed and executed comprehensive unit test cases for Java microservices** using **JUnit** and **Mockito**, ensuring **high (90%) code coverage**, enhancing service reliability, and validating robust functionality across all components.
- **Proficient in using Git, Bitbucket, and CI/CD pipelines** to streamline version control, enhance collaboration, and automate deployments of Java microservices to OpenShift, improving development efficiency and release cycles.

Developer intern

Tata consultancy services

📅 02/2022 - 05/2022   📍 Bengaluru, India

- Developed a full-stack e-commerce website using Java, Spring Boot, Angular, and MySQL, featuring product categories, shopping cart, order management, and unique order IDs
- Enhanced performance with pagination and secured access using Spring Security and JWT-based authentication
- Technologies used: HTML, CSS, Typescript, Angular, MySql, Bootstrap, Java, SpringBoot, Spring Data JPA

EDUCATION

MASTERS OF SCIENCE, COMPUTER SCIENCE

University of Stuttgart

📅 10/2024 - Present   📍 Stuttgart, Germany

BACHELOR OF ENGINEERING, INFORMATION SCIENCE & ENGINEERING

Dr. Ambedkar Institute of Technology

📅 08/2018 - 06/2022   📍 Bengaluru, India

CGPA **8.93** / 10

PROJECTS

Currency Conversion Service

Short summary of your work

- Developed a currency conversion API using Java, Spring Boot, and Spring Cloud to convert one currency to another.
- Implemented key microservices patterns including Circuit Breaker (Resilience4j), Distributed Tracing (Spring Cloud Sleuth, Zipkin) & Service Discovery (Eureka) etc.
- Deployed services as containers using Docker images on Google Kubernetes Engine for scalable, efficient orchestration and management.
- Enhanced the API to fetch real-time conversion rates from the Fixer.io API, optimizing currency conversion accuracy.

SUMMARY

Experienced Java Backend Developer with 2+ years of expertise in building scalable microservices using Spring Boot. Skilled in developing REST API's and consuming SOAP-based web services integrated with SAP backend, consistently delivering efficient, high-quality solutions aligned with business objectives. Proven track record in Agile environments, collaborating effectively with cross-functional teams to ensure quality, performance and timely delivery.

KEY ACHIEVEMENTS

💎 **API Integration Success**
Increased user engagement by 20% through improved API integration.

💎 **Data Accessibility Boost**
Achieved 30% improvement in data accessibility with REST APIs.

💎 **Java 17 Migration**
Migrated 100% of Java services from Java 8 to Java 17.

💎 **Achieved 6* in Problem solving at Hackerrank**
Hackerrank Profile

LANGUAGES

English
Advanced   ●●●○○

SKILLS & TOOLS

Agile   API   Apis   Bit Bucket   Bootstrap

CI/CD   Cloud Computing   Confluence

Containers   Java   CSS

Data Structures And Algorithms   DBMS

Docker   GCP   Git   Google Cloud   HTML

Jenkins   JIRA   Spring Data JPA   JSON

Junit   JWT   Kafka   Kubernetes

Linux Commands   Maven   Microservices

Mockito   Mysql   Openshift