Thabsum P.J

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Summary

Java Backend Developer with Spring Boot expertise, experienced in building scalable microservices and backend systems. Skilled in database management, cloud deployment, and API development. Passionate about clean code and solving real-world problems through efficient backend design.

Technical Skills

Languages: Java, C++, C, Python, JavaScript, HTML
Frameworks: Spring, Spring Boot, React
Databases: Apache Solr, Elasticsearch, Kibana, MySQL, PostgreSQL
Cloud: AWS
Tools: Git, Docker, Apache Maven, Postman, Log4j, Slf4j
Web Server: Apache Tomcat
Operating Systems: Windows 10, Linux
IDEs: Eclipse, IntelliJ

Experience

Tata Consultancy Services   **Dec 2021 – Present:** *Assistant System Engineer — Kochi, India*

- Designed, coded, tested, and maintained backend services and APIs using Java and Spring Boot.
- Developed and managed database schemas, wrote SQL queries, and worked with ORM frameworks.
- Created and maintained RESTful APIs enabling communication between frontend and backend systems.

Nest Tech Park   **Jan 2020 – Mar 2020:** *Software Developer Intern — Kochi, India*

- Worked on a CRM project to streamline customer interaction management.
- Enhanced customer satisfaction and improved sales and marketing efforts.

Projects

SMARTTURN, ISO-RETAIL (Airlines Domain):

- Designed optimized database schemas to enhance data integrity and query performance.
- Engineered Elasticsearch queries to replace Apache Solr, boosting search speed and scalability.
- Automated daily batch jobs to synchronize data across airline maintenance systems.
- Created features to monitor maintenance tickets used by engineers and technicians.
- Improved API efficiency by debugging and refining backend processes.

Regression Tool Suite:

- Built backend pipelines to stream test cases into Kafka for real-time processing.
- Indexed test results in Elasticsearch for quick data retrieval and analysis.
- Partnered with QA engineers to enhance tool functionality based on feedback.

User Activity Monitor:

- Developed a scheduler to log user interactions like chat messages, logins, and searches.
- Utilized Elasticsearch to catalog activity data, aiding traceability and audits.

SmartMX – Aircraft Maintenance Web App:

- Crafted a technician dashboard to guide stepwise aircraft maintenance tasks.

- Integrated WebSocket communication for real-time crew coordination.

Thriftopia – E-Commerce Platform (Personal Project):

- Built a multi-role e-commerce platform supporting user registration, browsing, and checkout.

- Developed admin tools for product management, coupon handling, inventory, and analytics.

- Implemented delivery charges, wallet system, and detailed sales reporting dashboards.

Education

Ilahia College of Engineering and Technology   Aug 2018 – June 2020
M.C.A. - Master of Computer Application; GPA: 7.78
Kochi, India

Certifications

- Google Associate Cloud Engineer

- Java Programming Masterclass (Udemy)

- Linux Administration Bootcamp (Udemy)