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, Hibernate
Databases & Search Engines: MongoDB, MySQL, PostgreSQL, Apache Solr, Elasticsearch, Kibana
Cloud Platforms: AWS
Tools & Utilities: Git, Docker, Apache Maven, Postman, Log4j, SLF4J, Swagger UI, Figma
Web Server: Apache Tomcat
Operating Systems: Windows 10, Linux
IDEs: Eclipse, IntelliJ IDEA, Spring Tool Suite (STS)
Others: REST APIs, Microservices, Kafka, CI/CD, JIRA

Experience

Tata Consultancy Services   **Dec 2021 – Present:** *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

Cloud Migration – Elasticsearch Integration:

- Migrated backend architecture from Apache Solr to Elasticsearch to improve scalability and search speed.

- Refactored backend code, updated schemas, and implemented Elasticsearch-specific queries.

- Enhanced data-fetching performance by optimizing complex query structures.

- Coordinated with data engineering team for smooth data transformation and re-indexing.

- Validated post-migration application flow and ensured backward compatibility.

User Activity Monitor – Singapore Airlines:

- Developed a background logging scheduler using Quartz to track user behavior periodically.

- Captured and stored actions such as login events, search queries, chat activity, and page visits.

- Indexed logs in Elasticsearch for audit support and behavioral analytics.

- Built traceable data pipelines ensuring consistent log ingestion across environments.

- Strengthened application observability with real-time and historical activity monitoring.

Registration Tool Automation:

- Developed an intelligent automation tool to streamline testing of registration features.
- Enabled both API-level and UI-level testing with dynamic test case selection.
- Incorporated wildcard generators for test data
- Integrated reporting mechanism to display test status and error traceability.
- Reduced manual effort and increased regression test coverage significantly.

SmartMX – Aircraft Maintenance Web Application:

- Built a responsive dashboard to support aircraft technicians in performing scheduled maintenance tasks.
- Implemented ticket management system for issue reporting and task tracking.
- Enabled secure role-based access for technicians, engineers, and supervisors.
- Integrated WebSocket communication for real-time coordination during maintenance.
- Improved workflow transparency and reduced operational downtime in aircraft servicing.

Thriftopia – E-Commerce Platform:

- Designed and developed a full-stack e-commerce web application with authentication and session handling.
- Implemented product listing, cart management, and checkout functionalities.
- Built admin dashboard to manage inventory, discounts, and sales analytics.
- Integrated payment gateway simulation and order tracking features.
- Delivered data-driven sales reports and invoice generation with export options.

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)