DURGESH YADAV

Senior Software Engineer

993660438 • durgeshyadav848@gamil.com • [LinkedIn](#) • Geater Noida, UP, 201310

Summary

Software Engineer with **3 years 7 months of experience** in designing, developing, and maintaining scalable applications using **Java, Spring Boot, REST APIs, Kafka, and relational databases**. Skilled in **microservices architecture, debugging, performance optimization, and test automation**. Experienced in **building workflow automation with LLMs and MCP servers**, with a strong focus on delivering high-quality, reliable software solutions in agile environments.

Experience

TekMindz

Get Ambassador   03/2022 - 10/2022

Developed a scalable referral program backend for efficient user management and data processing.

- Enhanced CSV upload efficiency by 30% through multiprocessing implementation, significantly reducing data processing time.
- Implemented Twilio integration to send SMS notifications to over **10,000 users monthly**, achieving a 99.9% delivery success rate, and developed 50+ unit test cases, improving code coverage to 95%.
- Delivered seamless collaboration with cross-functional teams, meeting critical project deadlines.

TekMindz

Sparke   12/2023 - 07/2024

Developed scalable EV charging solutions with dynamic pricing and OCPP 1.6 protocol integration, enhancing revenue and operational efficiency.

- Boosted application performance by 50% by optimizing database queries and reducing load times.
- Improved system uptime to 99.98% by implementing robust fault-tolerant microservice architecture.
- Created an API integration layer achieving near-perfect uptime.

TekMindz

OpenADR Protocol   12/2023 - 07/2024

Implemented the OpenADR protocol and API integration to enhance demand response and scalability for GE power stations.

- Boosted application performance by 50% by optimizing database queries and reducing load times.
- Improved system uptime to 99.98% by implementing robust fault-tolerant microservice architecture.
- Created an API integration layer achieving near-perfect uptime.

TekMindz

Performance Test Framework   08/2024-Present

Developed a load testing framework to enhance scalability and reliability for GE power station management systems.

- Created over **50 detailed load testing scenarios**, facilitating accurate capacity planning and ensuring the system's ability to handle **up to 10,000 concurrent users**.
- Designed and developed a scalable load testing framework using Java and Spring boot, improving system reliability by **40%** under high-demand conditions.

Skills

Programming & Frameworks: Java, Python, Spring Boot, REST APIs, Microservices, Hibernate, JPA, Django

Messaging & Streaming: Apache Kafka, Event-Driven Architecture

Databases: PostgreSQL, MySQL, SQL, Database Design & Optimization

DevOps & Tools: Docker, Git, Maven, CI/CD, Linux

Testing & Quality: JUnit, Postman, Integration Testing, Debugging, Test Automation

AI & Productivity Tools: Prompting, GitHub Copilot, WindSurf, ChatGPT, Claude, LLM-based Workflow Automation

Education

Feroz Gandhi Institute of Engineering and Technology   Raebareli,UP

Bachelor of Technology (B.Tech)   07/2018 - 06/2022