

Avinash Upadhyay

Senior Software Engineer

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SUMMARY

Experienced Java developer with 5 years of experience in designing and maintaining robust backend systems using Java, Spring Core, Spring Boot, PostgreSQL, Microservices, Kafka, Docker, AWS, and related technologies. Expert in RESTful APIs and third-party services integration with a strong Agile background. Certified in Java, Microservices, and AWS. Committed to delivering high-quality solutions aligned with client objectives.

EXPERIENCE

Technology Consultant

Sep '22 — Present

Ernst & Young

Gurugram, India

- Implemented Microservices pattern with Java, Spring Boot, revolutionizing app architecture for improved robustness. Resulted in 50% increase in concurrent user capacity and 60% reduced downtime. Revolutionized the online submission and monitoring process for EC, FC, CRZ and WL clearances in PARIVESH 2.0
- Streamlined proposal handling and resulted in a 60% reduction in approval time. Utilized Spring Boot, Cloud, Kafka, and docker to develop RESTful APIs and microservices, facilitating smooth communication and increasing efficiency by 50% by new functionalities. Integrated NSWS services for SWS and Union Bank of India for payment verifications and increased clearance speed by 40%.

Software Developer

Apr '21 — Aug '22

Velocis Systems Pvt Ltd

New Delhi, India

- Modernized legacy codebase with optimized standards, resulting in 60% faster processing and improved performance. time and improved system performance. Implemented Rest APIs, web services, and microservices with modern technologies and industry best practices, resulting in a 30% increase in system efficiency. Managed 5-6 Java-based web apps with JSF & Primefaces, resulting in higher user satisfaction and delivering projects. Streamlined database management with PostgreSQL, facilitating efficient data handling from diverse RTO sources.

Software Associate

Sep '19 — Mar '21

Optus Infotech Private Limited

Hyderabad, India

- Achievements/Tasks Developed and tested RESTful APIs with Postman for efficient system communication. Led complete web development efforts, encompassing design, implementation, and maintenance of the project.

EDUCATION

Bachelors in Instrumentation and Control Engineering, Bharati Vidyapeeth's College of Engineering

Aug '14 — Jun '19

New Delhi

SKILLS

Advanced Java, SpringBoot, REST API, Spring security, PostgreSQL, JDBC, JPA, Hibernate, Git, Postman

Intermediate Microservices, OAuth, SwaggerUI, Spring Cloud, Kafka, Rabbit MQ, Redis, JIRA

Basics Docker, Kubernetes, AWS, Jenkins, Mongo, Putty

PROJECTS

GSM Based Home Automation System using the Concept of Power Line Communication

- This project aims to build a home automation system using a modern PLC and apply a PLC microcontroller to control and automate variable home appliances (lamps, switches, gates etc.)

CONFONET - Project Intern for NIC, Gov of India

- The project works for the online case monitoring system in which we shifted the database from IBM-DB2 to PostgreSQL for better working of the system.

CERTIFICATIONS

[EY IT Architecture - Solution Architecture - Bronze Learning \(2023\)](#)

Jun '23

[EY Cloud - Bronze Learning \(2023\)](#)

May '23

[Microsoft Azure Fundamentals: Describe cloud concepts \(09/2022\)](#)

Sep '22