Sonu Kumar

Java Application Developer

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SUMMARY

Results-driven **Java Backend Developer** with 3.5+ years of experience in designing, developing, and deploying scalable applications in domains such as **Insurance** and **Healthcare**. Skilled in building **microservices architecture** using **Java, Spring Boot, and RESTful APIs**, with strong expertise in **PostgreSQL/Oracle databases**. Hands-on experience in **Docker** and **Azure DevOps** for containerization, CI/CD, and cloud deployments. Proven ability to collaborate with cross-functional teams to deliver secure, high-performance solutions, including **radiology management systems** in healthcare and **quotation & claims services** in insurance. Passionate about solving complex problems, optimizing system performance, and continuously learning new technologies to deliver impactful business solutions.

EXPERIENCE

Software Engineer/Software Developer   Jul '25 — Present
Alfahive   Bengaluru, India
Healthcare Domain
- Developed a **Healthcare Management Platform** for radiologists to manage users, hospitals, radiologist profiles, specialties, availability, and reports.
- Built and optimized **RESTful APIs** using **Java, Spring Boot**, ensuring secure and scalable backend services.
- Designed and managed data models in **PostgreSQL**, enabling efficient queries and reliable storage of sensitive healthcare data.

- Implemented **role-based access control (RBAC)** and **Spring Security** for secure handling of patient and hospital information.
- Containerized applications using **Docker** and deployed on **Azure Kubernetes Service (AKS)**, improving scalability and reliability.
- Utilized **Azure DevOps** for CI/CD pipelines, ensuring smooth builds, testing, and automated deployments.
- Integrated reporting modules for generating and managing radiology reports with high accuracy.

Software Engineer   Mar '22 — Apr '25
Client Project /Capgemini   Bengaluru, India
- Designed and developed efficient **REST APIs**, services, and schedulers using **Core Java, Spring Boot**, and clean code principles.
- Enhanced functionality of Life-quotation service as per business requirement, ensuring seamless integration .
- Upgraded APIs from **Java 8 to Java 17** and **Spring Boot 2.x to 3.x**, enhancing system compatibility and performance.
- Implemented an event-driven architecture using **Apache Kafka** to streamline data processing, resulting in a 20% improvement in system efficiency.
- Optimized application performance by leveraging efficient **data structures** and implementing scalable **low-level system design** principles.
- Worked on checksum implementation for document processing batch and File-splitting scheduler.
- Designed multithreaded components using Java concurrency tools to handle parallel file processing and scheduling.
- Used **Git** and **GitHub** for version control and collaborated with the team using **Agile methodologies** and **JIRA** for issue tracking.

EDUCATION

B.tech in CSE, ITS Engineering College, Greater Noida, UP (GPA: 76.1)   Jan '17 — Jul '21
                                                                                    Greater Noida, India
- **Cleared a college-level coding test** during 2nd year of college and was **selected as a developer** for a commercial project under the college's industry collaboration program.

PERSONAL PROJECTS

Brownfield Airlines (Hackathon Project) Link
- Participated and Secured 1st place in a Hackathon organized by Capgemini India.
- Developed the backend for a comprehensive airline services website offering features such as ticket booking, flight management, and customer feedback.
- Built using a microservices architecture, ensuring scalability and modularity.
- Used **Angular** for building dynamic and responsive frontend components integrated with REST APIs.
- Collaborated in a team of 5, working on API design, system architecture, DevOps setup, and frontend/backend integration.

SKILLS

Programming Languages   Java 8, Java 17, Angular
Core Concepts   Collection Framework, Multithreading, Exception Handling, Stream Programming
Database Technologies   Oracle SQL/My SQL, PostgreSQL
Frameworks   JUNIT, JPA/ Hibernate, Spring Boot 2x/3x., Spring Security, Spring MVC
Architecture   REST, Microservices, LLD
DevOps Tools   Docker, Kubernetes, Splunk, Kafka, Git, GitHub, JIRA, CI/CD
Languages   Hindi, English