Anshul Bharadwaj

35, Apt 1, O'Connell Street Upper, Dublin

Phone: +353 (0) 892506465 | Email: bharadwaj.anshul09575@gmail.com

linkedin.com/in/anshul-bharadwaj-80486119b/

Professional Summary:

Software Developer with 2.9 years of experience in IT, specializing in agile software development, microservices architecture, and backend systems. Proficient in Java, Spring Boot, and event-driven systems, with hands-on experience in implementing centralized logging using the ELK stack for real-time monitoring and troubleshooting. Skilled in collaborating with cross-functional teams, applying SDLC methodologies, and delivering scalable solutions aligned with business goals.

Technical Experience:

Organization: Tata Consultancy Services (Apr 2021 - Aug 2022)

Designation: Associate System Engineer (Java Developer).

Roles & Responsibilities:

● As a team member, my role involves actively participating in software development practices and procedures to consistently deliver functional software solutions. I enhanced login security for application, implemented advanced methods such as JWT token and email OTP-based login.

● Played a key role in migrating legacy systems to a microservices architecture, resulting in a 40% reduction in application response time. Designed and implemented enhanced security features, incorporating two-factor authentication to boost user security by 90%.

● Configured rate limiting, timeout handling, and fallback mechanisms to ensure graceful degradation of services and maintain system stability.

● Implemented a secure user authentication mechanism by harnessing the capabilities of **AWS Simple Email Service** (SES), seamlessly delivering one-time passwords (OTPs) to registered email addresses.

● Utilized Feign Client for efficient and seamless interservice communication, enabling simplified HTTP requests, load balancing, and fault tolerance.

● Worked closely with QA engineers to identify and address software defects, ensuring the delivery of high-quality applications to clients. Create comprehensive test suites to validate the reliability of backend services in the continuous delivery pipeline for 12+ releases.

● Contributed to the end-to-end delivery of Agile requirements and user stories, actively participating in a collaborative environment.

Organization: Star Sun Technologies PVT. LTD. (Jan 2020 – Apr 2021)

Designation: Software Developer (Springboot Developer).

Roles & Responsibilities:

● Developed and deployed event-driven microservices architecture using **Kafka** Broker to manage real-time driver location updates and order completion events, guaranteeing 99% message delivery reliability and enhancing communication scalability to handle increasing user demand.

● Integrated **PostGIS** with PostgreSQL for efficient spatial data management, boosting real-time location tracking accuracy of delivery drivers by 20% and reducing query response times for geospatial data by 30%, enabling faster and more reliable driver assignment and tracking.

● Automated database migrations, using tools like Flyway, ensuring smooth updates without interrupting service availability.

● Collaborated closely with cross-functional teams, including developers and product managers, to understand requirements and ensure test coverage aligned with project goals.

Technical Skills and Tools:

Languages and Framework:	Java, Spring Boot, Hibernate, Spring Security, JavaScript, ReactJS, HTML 5, Tailwind CSS, Rest API, Python.
DevOps tools:	Jenkins, Docker, Git, GitHub, Apache Tomcat.
Database Management:	MySQL, PostgreSQL, MongoDB, Elasticsearch, Neo4J.
Cloud services:	AWS (EC2, ECS, S3, RDBMS, IAM).
Operating Systems and IDE:	Windows, Linux, Mac OS, IntelliJ, VS Code, Eclipse.

Education:

● Masters in Cloud Computing – at National College of Ireland, Dublin - Sep 2022 – Sep 2023.

● Bachelors in Electronics and Communication – at Lakshmi Narain College of Technology, Bhopal, India – 2016-2020.

Personal Project:

Project Name: LinkedIn Clone (Backend) Link

● Developed a scalable backend microservice architecture mimicking LinkedIn's core features (user profiles, connections, posts) using Spring Boot, JPA, and MySQL, Neo4j and Mongo serving mock users with 90% API reliability.

● Integrated **OpenAI GPT-4** and **Ollama** (Llama 3) to auto-generate professional profile descriptions and headlines based on user input (experience), increasing profile completion rates by 65%, showcasing experience with large language models.

● Orchestrated local development with Docker Compose, enabling seamless single-command setup (docker-compose up) for all microservices and databases.

Project Name: UBER Clone (Backend) Link

● Worked on a real-world Uber Project clone backend in Spring Boot so that users can book a ride online.

● Built features like Authentication and Authorization with Spring security, implemented Ride booking strategy with multiple Design patterns which can potentially reduce the ride waiting time by 50%.

● Developed and deployed event-driven microservices architecture using Kafka Broker to manage real-time driver location updates and order completion events, guaranteeing 99% message delivery reliability and enhancing communication scalability to handle increasing user demand.

● Integrated PostGIS with PostgreSQL for efficient spatial data management, boosting real-time location tracking accuracy of delivery drivers by 20% and reducing query response times for geospatial data by 30%, enabling faster and more reliable driver assignment and tracking.

Soft Skills:

● Collaborated seamlessly with cross-functional teams, fostering a positive and inclusive work environment, and contributed to the success of team objectives.

● Demonstrated excellent verbal and written communication skills, facilitating clear and concise information exchange between team members and stakeholders.

Declaration:

I hereby declare that the above-cited information is true to the best of my knowledge, and I believe that if given a chance, I can prove myself.

Anshul Bharadwaj