Amshuman Krishna S

Toronto, ON |+1(604) 723-8648 | amshumankrishna@gmail.com
Status – Open Work Permit (**W308342244**)

Mail| LinkedIn

KEY ACCOMPLISHMENTS

- Successfully led the development and deployment of a complex microservices-based application, improving system **scalability by 40%.**
- Spearheaded the **transition from a monolithic architecture to microservices**, enhancing system scalability and reliability.
- **Identified and resolved critical security vulnerabilities** in the application, ensuring compliance with industry standards and enhancing data protection.
- Implemented a continuous integration/continuous deployment (CI/CD) pipeline, **reducing deployment time by 50% and minimizing production downtime**.
- Designed and developed RESTful APIs for a key enterprise application, which integrated with multiple third-party services and **supported 1 million+ API requests per day, ensuring high availability and scalability**.
- Introduced Docker and Kubernetes to streamline application deployment, resulting in a **60% increase in deployment efficiency.**

TECHNICAL SKILLS

Skills: Java (8 years), Spring Boot (3years), Microservices (3 years), SQL (4 years), AWS, DevOps, Kafka Couchbase, JavaScript, HTML, CSS.
Certifications: AWS Certified Cloud Practitioner, AWS Certified Developer Associate

WORK EXPERIENCE

Application Developer | *IBM India Private Ltd* January 2022 – Present
Client – American Express (Domain – Financial Services)
Technologies: Java, Spring Boot, Microservices, Vertex, SQL, Couchbase, DevOps, Kafka, Postman.

- Actively contributed to the analysis, design, implementation, testing, and deployment phases.
- Created and maintained technical documentation for developed features and systems
- Developed and maintained microservices architecture to improve scalability and maintainability of applications.
- Utilized containerization technologies such as Docker and Kubernetes for efficient application deployment and management.
- Collaborated with stakeholders to gather requirements and provide technical insights for decision-making.
- Developed and maintained RESTful APIs using the Vertex framework with Microservices architecture to support frontend and mobile applications.
- Wrote unit tests for application modules using Mockito and Power Mock frameworks.
- Conducted peer code reviews to ensure code quality and adherence to best practices.
- Employed DevOps practices to streamline development workflows and improve deployment efficiency.
- Configured and managed databases, ensuring high availability and performance.
- Conducted codebase refactoring and technical debt reduction to improve maintainability and performance.
- Integrated with CI/CD pipelines to automate build, test, and deployment processes.

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Senior Process Associate | *Tata Consultancy Services, India*   December 2017 –January 2022
Client – Sainsburys (Domain – Retail)
Technologies: Java, Spring Boot, Microservices, React JS, SQL, Unix Shell scripting, DevOps, AWS, Kafka, Postman

- Collaborated with the functional team to gather and understand business and technical project requirements.
- Developed web applications based on CRUD operations using the Spring Boot framework.
- Built Spring Boot applications using microservices architecture for enhanced performance, incorporating Spring Cloud configurations.
- Performed quality checks, handled issues, and responded to user/client requests.
- Optimized application performance through code refactoring and performance tuning.
- Conducted code reviews that led to a **40% reduction in code defects** and improved overall code quality.
- Created detailed documentation for application design, development, and deployment processes.
- Leveraged cloud platforms like AWS for deploying and scaling applications.
- Conducted thorough testing and debugging to ensure high-quality, bug-free software releases.
- Employed **DevOps practices** to streamline development workflows and improve deployment efficiency.
- Provided critical support during the application's maintenance phase.
- Implemented advanced security measures, including OAuth 2.0 and JWT, to safeguard application data and ensure compliance with industry standards.

Java Developer |*BRTech, India*   August 2015 – December 2017
Technologies: Java, Struts, HTML, CSS, jQuery, JavaScript, SQL, Spring Core MVC, Eclipse

- Engaged in coding, bug fixing, and developing new forms and pages according to updated site requirements.
- Liaised with clients to elicit project requirements and optimized solutions tailored to end-user needs.
- Created interactive front-end modules to enhance user experience.
- Engineered applications using Struts framework.
- Diagnosed and rectified bugs and errors within the application.
- Emphasized CRUD operations integrated with the database in Struts-based applications.
- Created dynamic web applications and designed responsive UIs using HTML5/CSS3, JavaScript ensuring an intuitive user experience.
- Utilized version control systems (Git) for efficient code management and collaboration.
- Applied DevOps practices to streamline development, deployment, and operations processes.
- Implemented cloud-based solutions using AWS services such as EC2 and S3.
- Supported the application during maintenance phases.
- Implemented automated testing strategies using tools such as JUnit, and Mockito for unit, integration, and end-to-end testing.

EDUCATION

PG Diploma in Software Development | CDAC, India   Feb 2015 – Aug 2015
Bachelor of Engineering in Computer Science and Engineering | Anna University, India   Aug 2010 – Apr 2014