

Amshuman Krishna S

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Work Authorization - Open Work Permit (**W308342244**)

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KEY ACCOMPLISHMENTS

- Spearheaded the **transition from a monolithic architecture to microservices**, enhancing system scalability and reliability.
- Enforced OAuth 2.0 and JWT for secure authentication, enhancing the application's security posture and compliance with industry standards.
- 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**.
- Implemented Docker, Kubernetes and CI/CD pipeline to streamline application deployment, resulting in a **60% increase in deployment efficiency** and **enhancing overall workflow automation**.

TECHNICAL SKILLS

Skills: Java (9 years), Spring Boot (3years), Microservices (4 years), SQL (4 years), React JS, HTML, CSS, JS, AWS, Kafka, Git, Postman, Couchbase, Mongo DB, Gradle, Docker, Kubernetes.

Certifications: AWS Certified Cloud Practitioner, AWS Certified Developer Associate

WORK EXPERIENCE

Senior Associate Technology | *Synechron, Canada*

December 2024 - Present

Client - Citi Bank (Domain - Banking Services)

Technologies: Java, Spring Boot, Microservices, AWS, SQL, Kafka.

- Collaborated with cross-functional teams, including frontend developers, QA engineers, and product managers.
- Deploy and manage applications on **AWS**, using **Docker, Kubernetes**, and CI/CD pipelines (**Jenkins, GitHub Actions, GitLab CI/CD**).
- Worked in Agile (Scrum/Kanban) environments, participated in sprint planning and code reviews, and mentored junior developers.
- Designed scalable, high-availability applications following **SOLID principles, design patterns**, and best coding practices.
- Developed unit and integration tests using **JUnit, Mockito**, and enforced best practices with **SonarQube** and static code analysis tools.
- Wrote optimized **SQL queries**, manage relational databases (**MySQL, PostgreSQL, Oracle**) and NoSQL databases (**MongoDB**), and implement caching mechanisms for performance improvement.
- Conducted **code reviews**, provided technical mentorship to junior developers, and collaborated with cross-functional teams.
- Developed and optimized **RESTful APIs** and **GraphQL APIs** for seamless communication between services.

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Senior Java Developer | **IBM India Private Ltd**

January 2022 - December 2024

Client - American Express (Domain - Financial Services)

Technologies: Java, Spring Boot, Microservices, Vertx, SQL, Couchbase, DevOps, Kafka, Postman.

- Contributed to all phases of the software development lifecycle, including analysis, design, implementation, testing, and deployment, ensuring timely and high-quality deliveries.
- Collaborated with Product Managers, QA, and DevOps teams to ensure seamless integration and feature delivery, **reducing post-release defects by 25%**.
- Developed and maintained technical documentation** for system architecture, APIs, and technical workflows, ensuring clear communication across teams and **reducing onboarding time** for new developers by **25%** while improving cross-team alignment and collaboration.
- Engineered and managed high-performance RESTful APIs using **Vert.x** and **Spring Boot** within a **microservices architecture**, optimizing response times by 30% and ensuring seamless integration across web and mobile platforms.
- Leveraged Kafka for real-time event-driven data streaming, ensuring seamless microservice communication and proactively mitigating downtime incidents, resulting in a **15% increase in system uptime**.
- Championed rigorous testing protocols using **JUnit** and **Mockito**, improving code quality and ensuring the delivery of near bug-free application releases.
- Maintained code integrity using Git for version control, facilitated efficient collaboration across development teams, and led code reviews to mentor junior developers, driving quality best practices.

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 business analysts and stakeholder to gather business and technical project requirements.
- Built and maintained RESTful APIs using Spring Boot, improving data flow and service modularity, contributing to a **25% increase in application efficiency**.
- Organized code reviews that led to a **40% reduction in code defects** and improved overall code quality.
- Created technical documentation for design, development, and deployment, **reducing onboarding time by 20%**.
- Conducted thorough testing and debugging, ensuring high-quality deliverables and achieving nearly bug-free application releases.
- Employed **DevOps practices** to streamline development workflows and improved deployment efficiency.
- Strengthened application security** with **OAuth 2.0** and **JWT**, ensuring data protection and compliance with industry standards.
- Refactored code and optimized performance, resulting in a 20% improvement in load times by key applications.

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Java Developer | BrTech, India

August 2015 - December 2017

Technologies: Java, Struts, HTML, CSS, jQuery, JavaScript, SQL, Spring Core MVC, Eclipse, Docker, Kubernetes

- Collected project requirements to deliver customized, user-centric solutions, enhancing client satisfaction.
- Built and optimized CRUD operations in Struts applications, enhancing efficient data management and improving interaction with back-end systems.
- Proactively troubleshoot and resolved performance bottlenecks, bugs, and production issues in a timely manner, enhancing application uptime and reliable functionality.
- Automated deployment processes using Jenkins, Docker, and Kubernetes, reducing manual efforts and resulting in a **20% reduction in deployment times**.
- Constructed dynamic web applications and generated responsive UIs using HTML5/CSS3, JavaScript, ensuring an intuitive user experience.
- Utilized Git for version control, **reducing merge conflicts** and **improving team collaboration**.
- Applied automated testing methodologies using JUnit and Mockito for unit, integration, and end-to-end testing, leading to a **50% reduction in testing time** and ensuring high-quality releases.

EDUCATION

Postgraduate Diploma in Software Development | CDAC, India

Feb 2015 - Aug 2015

Bachelor of Engineering in Computer Science | Anna University, India

Aug 2010 - Apr 2014