Vishnu Manohar

Cloud Architect

An astute Architect with over 13 years of experience in Cloud Architecture, system design and full stack Java web development, specializing in Financial and Healthcare domains. As the driving force behind a start-up, designed, architected applications, and ensured delivery with continuous process improvement. I am currently looking to advance my career by applying my architectural and design skills to tackle new challenges.

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HIGHLIGHTS

- As part of a team, designed and oversaw the development of Citi FX Velocity 3.0, a globally recognized Forex trading platform that has received more than 80 awards.

- Proficient in harnessing cloud technologies like AWS and RedHat OpenShift for creating, deploying, and overseeing scalable and dependable cloud-based applications, spanning from full cloud server deployments to containerized solutions to serverless services.

- I spearheaded the migration of legacy applications to OpenShift, resulting in a notable reduction in deployment time while enhancing reliability. This transition also facilitated loose coupling, eliminating single points of failure in our infrastructure.

- As a perceptive system designer, I've crafted numerous microservices applications known for their exceptional performance, scalability, fault tolerance, and seamless integration with legacy systems.

- Have architected three applications that leverage a comprehensive stack of microservices architecture and serverless infrastructure in the cloud. These applications have been tailored to optimize search engines for financial content and facilitate critical streaming of currency values and forex orders, essential for business operations.

- Designed a centralized logging unification system utilizing ELK (Elasticsearch, Logstash, and Kibana) to enable comprehensive tracing and analytics for both frontend and downstream systems. This system significantly streamlined the resolution of production issues and empowered the business to make informed decisions regarding key focus areas.

- Collaborated with development, operations and security with 10+ cross functional teams ensuring cloud and legacy systems are aligned with business requirements and compliant with the standards.

- Efficiently managed the company's cloud infrastructure through the implementation of DevOps tools such as Jenkins. This initiative improved the overall development and testing experience while significantly reducing the time and resources needed for repetitive tasks.

- Adept in project governance by aligning project requirements with corporate objectives, create roadmaps, conducting risk assessments, and effectively managing software releases to ensure successful project outcomes.

- Proficient in effectively structuring JIRA boards and overseeing Agile and Scrum methodologies to boost team productivity and elevate project efficiency.

SKILLS

Skill	Level	Skill	Level
Cloud Architecture and development	■■■■■	Microservices engineering	■■■■□
Systems design	■■■■□	Search Engines	■■■■□
Team Leadership and development	■■■■■	Project management	■■■□□
Java/Spring web applications	■■■■■	Scrum and Agile methodologies	■■■□□
Strategic planning and execution	■■■■□	Release management	■■■■□

TECHNICAL SKILLS

Cloud	AWS, RedHat OpenShift, Digital Ocean
Search engines/Databases	Elasticsearch, Apache Solr, MongoDB, Redis, MySQL
Languages	Java, JavaScript, Typescript, HTML, CSS, XML, JSON, REST, WebSocket
Frameworks	Spring Core, Spring boot, Spring cloud, Angular, selenium, cucumber
Tools/ OS	Jira, Maven, Gradle, bitbucket, windows, Linux, Mac
CI/CD	Jenkins, TeamCity, Docker, Kubernetes

CERTIFICATIONS

AWS Certified Cloud Practitioner

WORK EXPERIENCE

Vice President *06/2021 - Present*
Citi Bank India
- Re-architected a legacy Spring application to adapt to OpenShift cloud infrastructure, leveraging containerization with Docker and microservices design patterns to improve scalability, reliability, and performance.
- Continuously enhanced and managed the DevOps processes for cloud infrastructure services within RedHat OpenShift clusters using Jenkins, resulting in improved efficiency and reduced deployment times.
- Effectively managed a team of ten, providing direction, motivation, and support to ensure high-quality work and timely project completion. Demonstrated strong leadership skills and the ability to collaborate effectively with team members at all levels.
- As a Scrum Master, effectively coordinated between business teams and technical teams by translating business requirements into technical scope and developing work schedules, while also managing project delivery.
- Implemented micro front-end services using Angular to improve the architecture of the application. This resulted in a more modular and scalable design, allowing for easier maintenance and enhancement of the application.

Cloud Specialist *07/2020 - 06/2021*
Tek systems | Fidelity Investments
- Design and implementation of infrastructure automation through AWS CloudFormation templates and effective management of content storage with S3 buckets using Lambda functions.
- Architected and implemented a search feature for the application using AEM Lucene, leveraging advanced search concepts. Demonstrated expertise in search engine design and implementation, and the ability to effectively educate and mentor team.

Self-Entrepreneur *09/2015 - 07/2020*
Medspeer Healthcare Technologies
Have started a product development from 2015 and registered the company on 2018 as a streamlining process. Achievements/Tasks
- Designed and architected a scalable application with multiple secured microservices using Spring MVC and Angular Optimized the application's database with MongoDB and search with Elastic search to ensure optimal performance.
- Deployed Java web application to AWS EC2 instance, leveraging Ubuntu AMI, and configured it with Tomcat server and database for seamless performance.

Senior Software Engineer *08/2014 - 09/2015*
Larsen & Toubro Infotech, India

Programmer Analyst *10/2010 - 08/2014*
Cognizant Technology Solutions

Systems Trainee
Infosys Technologies