Manankumar Thakkar

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SUMMARY

Software Engineer with 3+ years of full-stack expertise, skilled in Java, Spring Boot, React, and cloud platforms like AWS and GCP. Proficient in system design, front-end and back-end development, and cloud services. Led multiple projects and teams, consistently delivering scalable, high-performance solutions within deadlines. Strong collaborator with excellent communication and a solid background in Agile methodologies.

TECHNICAL SKILLS

Certification	**AWS Solution Architect Associate Certified** (Validation no: PTZD19XCS2F412GS)
Languages	Java, Python, JavaEE, JavaScript, Shell Script, HTML, CSS, C++, NodeJS, TypeScript
Frameworks	Spring Boot, Spring MVC, Hibernate, ReactJS, Angular, REST API, JUnit, Flask, GraphQL
Databases	MySQL, Azure Microsoft SQL, MongoDB, Postgres, NoSQL, Redis
Cloud/DevOps	AWS, GCP, Docker, Kubernetes, Terraform, Git Version Control, Jenkins
Other	DevOps practices, JIRA, Linux, Unix, SonarQube, Postman, Figma, Kafka, Agile

WORK EXPERIENCE

Software Engineer – Backend | Walmart (Contract) – Remote, United States   July 2024 – Present
- Developed the Store's Department Hours system using Java, Spring Boot, and RESTful APIs, optimizing backend services for efficient management across 1,000+ stores.
- Deployed Java-based microservices on a private cloud network, ensuring secure and scalable backend services.
- Utilized Azure Kubernetes Service (AKS) for container orchestration and efficient management of Dockerized applications, optimizing deployments and maintaining scalability.
- Integrated backend services with Azure Microsoft SQL DB, using Liquibase to manage and apply database schema changes, enhancing data reliability.
- Participated in daily scrum and code reviews to improve and be synchronized with other teams. Validated Unit and Integration tests, responsible for the deployment of 5000+ lines of code to production.

Research Assistant | George Mason University – Fairfax, VA   Aug 2023 – Aug 2024
- Managed infrastructure resources using Terraform to support research environments.
- Conducted literature reviews, analyzed data, and executed experiments to contribute to ongoing research.
- Demonstrated expertise in ChatGPT and stayed updated on AI advancements through academic events and research initiatives.
- Worked in an Agile environment, managing tasks and collaborating with cross-functional teams for research development.

Test Automation Development Co-op | Nokia – Remote, United States   Sep 2022 – May 2023
- Reduced manual testing time by 50% through the creation of Python-based test suites.
- Integrated test scripts into Jenkins pipelines, ensuring continuous integration and delivery.
- Conducted REST API testing using Postman, improving service reliability.
- Achieved comprehensive SDLC test coverage by collaborating cross-functionally to integrate testing seamlessly into Agile development.

Full Stack Developer | Let It Wag – Mumbai, India   Jun 2019 – May 2020
- Developed a real-time application using React, Redux, and TypeScript, serving over 13K users in the animal welfare space.
- Designed a responsive User Interface using ReactJS, enabling 100+ journeys to be performed smoothly and efficiently.
- Created and maintained backend services with NodeJS. Identified and fixed bugs in the codebase, which solved issues in production and increased efficiency by 20%.
- Implemented end-to-end features to enhance user accessibility and data retrieval, collaborating with cross-functional teams, and employing Agile methods to deliver 90% of projects on time.

EDUCATION

George Mason University – Fairfax, VA   Aug 2021 - May 2023
Master of Science (MS) in Computer Science
- **Courses:** Algorithms, Programming Languages, Software Engineering for the World Wide Web, Software Modeling and Architectural Design, Theory and Applications of Data Mining, Advance NLP

University of Mumbai – Mumbai, India   Aug 2016 - Nov 2020
Master of Science (MS) in Computer Science
- **Courses:** Data structures, Algorithms, Machine Learning, Natural Language Processing, Software Engineering, Web Design, Cloud Computing, Artificial Intelligence & Soft Computing, Operating Systems

ACADEMIC PROJECTS

Cloud-native Application Development Projects   May 2022 – Dec 2022

Amazon Web Services | Java, Spring Framework, AWS EC2, AWS S3, AWS RDS MySQL, Docker, Kubernetes, Angular, CSS3, Jenkins, SoapUI
- Enhanced user experience and streamlined data management by developing an Angular application with RESTful Web Services, JPA/Hibernate, and Amazon RDS/MySQL.
- Reduced deployment time by 30% and improved data manipulation processes by 20% by containerizing the application using Docker Technology and deploying it on Kubernetes.

Google Cloud Platform | ASP.NET Core MVC, Entity Framework, GitHub, Kubernetes, Jenkins, Rancher, GCP
- Improved user experience by creating a responsive single-page application using TypeScript, React, Node.js, and Tailwind CSS.
- Ensured scalability and resiliency by containerizing the web application on Google Kubernetes Engine (GKE).
- Reduced deployment time by 40% and ensured efficient production support by implementing a CI/CD pipeline with Git (GitHub) and Jenkins.