Sheekha Jariwala

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Experience

Amazon *2020 – Present*
AWS S3 *2022 – Present*

- Designed and implemented a metadata compression system across multiple components, reducing storage footprint by 50% and extending system scalability.
- Evaluated and selected compression strategies through performance benchmarking, balancing latency, throughput, and operational tradeoffs.
- Designed and built ephemeral, production-like test environments to support local development and CI validation of distributed metadata services.
- Owned production operations for globally distributed storage services, ensuring high availability and operational readiness.
- Led response and recovery efforts for high-severity operational events across regions.
- Improved deployment and region-launch pipelines used by multiple services, with complex dependencies, increasing reliability and reducing manual intervention.
- Automated service onboarding and region build workflows to improve launch consistency and reduce operational toil.
- Designed and implemented monitoring, alerting, and dashboards to improve observability and proactive issue detection.
- Mentored engineers through onboarding and design reviews, contributing to code quality and system reliability.

People Engine *2020 – 2022*

- Built and maintained scalable test-data ingestion, validation, and UI/API automation frameworks supporting large internal datasets.
- Implemented end-to-end validation across primary and secondary (shadow) data stores, supporting safe migrations and consistency guarantees.
- Designed dashboards and reports to track test execution, failures, and long-term quality trends.

Cognizant Technology Solutions *2014 – 2018*

- Automated testing for voice and mobile applications using Java-based frameworks, reducing manual testing effort by 68%.
- Built and maintained CI pipelines using Jenkins, Maven, Git, and artifact repositories to support continuous testing and releases.
- Designed hybrid automation frameworks that reduced mobile app regression execution time by 82%.

Education

Oregon State University, USA *2018 – 2020*
MS in Computer Science
Gujarat Technological University, India *2010 – 2014*
BE in Electronics & Communication

Technical Skills

Programming Languages: Java, Python, JavaScript, TypeScript, SQL, Cypher
Distributed Systems & Cloud: AWS (S3, EC2, VPC, DynamoDB, SQS, SNS, ECS, Lambda, ECR, IAM), Globally Distributed Systems, High-Availability Systems
DevOps & Infrastructure: Docker, CI/CD Pipelines, Jenkins, GitHub, CloudFormation, Infrastructure as Code, Automated Region Builds
Data & Storage: DynamoDB, Athena, Neo4j, MySQL
Monitoring & Observability: CloudWatch, Dashboards, Alerting, Operational Metrics
Frameworks & Tools: Node.js, React, Selenium WebDriver, TestNG, Cucumber, Appium, Postman, QuickSight