

ANISHA SALUNKHE

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EDUCATION

New York University (NYU), Graduate School of Arts and Science, New York, NY

Master of Science, Information Systems

University of Pune (SPPU), MKSSS's Cummins College of Engineering for Women, Pune, India

Bachelor of Engineering, Computer Engineering

TECHNICAL SKILLS

- **Programming Languages & Toolkits:** Python, Java, TypeScript, JavaScript, Kotlin, AWS CDK, Shell Scripting, HTML, CSS
- **Cloud & Container Platforms:** AWS (Lambda, EventBridge, S3, VPC, CloudFormation, EC2, Amplify), Docker, Kubernetes
- **Data & Analytics Toolkit:** AWS (Athena, QuickSight, DynamoDB, Step Functions, SQS, API Gateway), Kafka, REST, MySQL
- **DevOps & Architecture:** AWS (IAM, KMS, Route 53), Git, Jenkins, SonarQube, Microservices, Serverless, Open Telemetry

WORK EXPERIENCE

Cloud Applications Architecture, AWS, New York, NY

November 2023 – Present

- Built an enterprise work-order management platform using Netflix Conductor, processing over **1 million** workflows daily at sub-second latency maintaining **99.99%** data consistency.
- Rebuilt the content delivery platform using **EventBridge** and **Lambda**, increasing profitability (\$2.1M annually) and **65%** reduction in runtime.
- Designed a high-throughput processing system using **Step Functions** and **S3**, reducing latency by **40%** and maintaining cross-region data consistency.
- Built an integration framework using **API Gateway** and **EventBridge**, reducing content processing failures and increasing exception recovery time by **75%** and **60%** respectively.
- Conducted reviews for **6+** enterprise customers, driving **45%** improvement in maximizing output by establishing architectural best practices.

Cloud Applications Developer, AWS, New York, NY

July 2021 – October 2023

- Developed a payment processing platform which handles **\$500M+** worth monthly transactions, attaining **32%** user acceptance rates across South America.
- Automated **IAM** based user access account system with secure protocols and guardrails for Fortune 500 clients, reducing user access management requests by **60%**.
- Deployed CI/CD-driven automation to monitor **1,000+** AWS accounts and achieved security compliance of **96%**.
- Achieved a **46%** reduction in operational costs by migrating **200+** business applications, (ERP, financial tools, web apps) to AWS by implementing efficient architectural patterns.

Professional Services Intern, AWS, New York, NY

June 2020 – August 2020

- Engineered remote execution feature for AWS migration tool integrating 7+ services using **Boto3 API** and automating deployments across distributed server environments.
- Built a **Serverless** 3-tier architecture with real-time execution logging, reducing migration troubleshooting time by **30%** for improving operational visibility.

Software Engineer, Mastercard, Pune, India

July 2017 – July 2019

- Developed and maintained enterprise messaging infrastructure supporting **2000+** production clients using **Java, Scala**, and **Bash**; orchestrated multi-region releases with zero downtime.
- Developed a usage audit and billing tool that generated revenue-tracking reports, establishing the foundation for the department's **\$2.5 million** billing framework.
- Optimized messaging service performance by **13.67%** and boosted throughput by **3780 TPS** through load testing and **JVM tuning**; achieved "A" code quality rating on **SonarQube**.

PROJECT EXPERIENCE

Early Detection of Breast Cancer Using Spark MLlib

Python, Spark MLlib, SQL, Machine Learning, ETL

- Designed and deployed an ML-based cancer detection system that automated data ingestion, profiling, and cleaning for large clinical and imaging datasets – delivering **85.4%** detection accuracy through **Decision Tree** analysis.

CERTIFICATES AND CO-CURRICULAR

- **AWS Professional:** Solutions Architect Professional, DevOps Engineer Professional
- **AWS Associate:** Solutions Architect Associate, Developer Associate
- **AWS Foundational:** Cloud Practitioner, AI Practitioner