

# 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](#)