

HARSH SANJAYKUMAR NAGORIYA

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Work Experience

Amazon, Seattle, WA

Software Development Engineer

Dec 2023 – Present

- Designed and launched a pre-development localization preview service, enabling marketers to visually validate multi-lingual content before engineering kickoff; integrated AI-powered translation with in-situ mock review, reducing global launch time from 8 weeks to 5 weeks and cutting rework cycles across locales by over 60%.
- Implemented automated content replication across 8+ Amazon marketplaces using serverless architecture, processing 300+ content variations and enabling 90+ successful replications through integration with 3 localization services.
- Set up a customer content optimization metric based on purchase success rates, automating content placement on the Amazon checkout thank-you page, resulting in a 28% increase in engagement and a 16% improvement in post-purchase conversions.
- Developed a dynamic, data-driven content optimization system enabling real-time personalized ranking of customer experiences. Replaced static rule-based selection with contextual ranking, increasing content engagement by 15% and improving conversion rates by 10%.
- Led the migration of Layer 7 TCP Virtual IPs from NetScaler to Amazon Application Load Balancer, optimizing traffic distribution for microservices and enhancing performance in a cloud-native environment. Configured cross-region routing and SSL/TLS termination, reducing costs by eliminating hardware load balancers and enabling automated scaling.

Audere, Seattle, WA

Software Engineer

Aug 2022 – Dec 2023

- Built serverless API components using AWS API Gateway and Lambda functions, supporting 10K+ daily requests with 99.9% uptime across production environments.
- Developed 5+ REST endpoints with Python Lambda functions, handling data processing and API integration for 3 mobile applications.
- Contributed to Infrastructure as Code using Terraform, automating deployment of AWS resources across dev/staging/prod environments.
- Built automated database migration pipeline using Alembic, reducing schema deployment errors by 95% and saving 15+ hours of manual database management per week.
- Integrated automated testing workflows into CircleCI pipelines, improving code quality and reducing manual testing overhead by 60% across development cycles.
- Developed comprehensive Android test automation using Espresso framework, increasing test coverage from 45% to 70% and catching 85% of bugs before production deployment.

Institute for Plasma Research, Gandhinagar, India

Project Intern

Dec 2020 – Apr 2021

- Enhanced the development of Ethereum blockchain by utilizing Solidity, JavaScript and Java and maintaining both client-side and server-side code.
- Complied with industry-standard software development procedures and crafted 5 UML diagrams to enhance comprehension and facilitate future maintenance.

Technical Skills

Languages: Java, Python, JavaScript, TypeScript, C++, SQL, Bash

Database: MySQL, PostgreSQL, DynamoDB, RedShift

Technologies/Frameworks: AWS (Lambda, S3, EC2, DynamoDB, SNS, SQS), Spring Boot, Node.js, React, Hibernate, Flask, RESTful APIs, Microservices, Kubernetes, Docker

Developer Tools: Git, GitHub, GitLab, Jenkins, Terraform, AWS CDK, CloudFormation, Datadog, Splunk, IntelliJ

Testing & CI/CD: JUnit, TestNG, Mockito, Cypress, Selenium, Appium, CircleCI, AWS CodePipeline, Docker, Kubernetes

Education

Master of Science in Computer Science

3.94/4.0

Arizona State University, Tempe, AZ

Aug 2021 – May 2023

Relevant Coursework: Cloud Computing, Data Processing at Scale, Software Testing/Quality Management

Bachelor of Technology in Information Technology

8.14/10

Dharmsinh Desai University, Nadiad, India

Aug 2017 – May 2021

Relevant Coursework: Data Structure, Algorithms, Databases, Advanced Java, Design Patterns, Distributed Computing