

HARSH SANJAYKUMAR NAGORIYA

harshnagoriya@gmail.com — [linkedin.com/in/harshnagoriya](https://www.linkedin.com/in/harshnagoriya) — harshnagoriya.github.io

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

- Collaborated with cross-functional teams to establish clear API specifications, ensuring the maintenance of 100% consistent and reliable interfaces across the board.
- Created and optimized more than 3 partner-facing API endpoints, enhancing system performance and delivering faster response times for business requirements.
- Designed and implemented Python scripts to automate the generation of database schema, resulting in 95% reduction in manual errors and saving over 15 hours of manual work per week.
- Maintained version-controlled Python scripts, enabling easy tracking of schema changes and promoting collaboration among 4+ team members.
- Led Android Espresso automation initiatives, establishing and executing robust test frameworks resulting in a 40% reduction in manual testing efforts and a 24% increase in test coverage.
- Collaborated with development teams to resolve 100+ bugs and improve software functionality.

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