Harsh Sanjaykumar Nagoriya

harshnagoriya@gmail.com — linkedin.com/in/harshnagoriya — harshnagoriya.github.io

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

Technical Skills

Languages: Java, JavaScript, C/C++, Python, Bash, Solidity, SQL, PL/SQL, C#, Prolog, Assembly Language
Database: MySQL, PostgreSQL, MariaDB, Oracle SQL Plus
Technologies/Frameworks: JSP, Servlets, JDBC, Flask, .Net, AJAX, Spring, Hibernate
Developer Tools: Amazon Web Services, Jira, CircleCI, Netbeans, Eclipse, Visual Studio, JUnit, Git, Taiga, Scrum

Work Experience

Audere, Seattle, WA

Software Engineer (Infrastructure) *Sep 2023 – Present*

- Collaborated seamlessly with cross-functional teams to establish clear API specifications, ensuring the maintenance of 100% consistent and reliable interfaces across the board.
- Created 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.
- Implemented a dynamic SQL query system using Python, allowing for flexible and customizable database views to cater to a wide array of 30+ specific business requirements.
- Maintained version-controlled Python scripts, enabling easy tracking of schema changes and fostering collaboration among 4+ team members.

Computer Vision Lead QA *May 2023 – Aug 2023*

- Demonstrated leadership abilities as the primary (lead) QA for Computer Vision and Android development, handling quality assurance activities and ensuring compliance with project deliverables and timelines for 3 projects.
- Led and directed 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.

SDET/QA 1 *Aug 2022 – Apr 2023*

- Created and executed over 200 mobile app test plans, ensuring high software quality and customer satisfaction.
- Collaborated with development teams to resolve 100+ bugs and improve software functionality.
- Monitored and reported on testing results, providing insights and recommendations to improve software quality, resulting in a 95% customer satisfaction rate.

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.

Projects

Face Recognition as a Service *Jan 2022 – Mar 2022*

- Constructed a face recognition service based on Python, deployed on Amazon Web Services (AWS) EC2, incorporating the use of SQS and S3 for cost-efficient scaling.
- Automated load-balancing process with custom scripts, resulting in improved response time, reduced server downtime, and increased system reliability by 75%.
- Evaluated the scalability of the application by generating 1000 concurrent user requests, demonstrating its ability to handle high volumes of traffic efficiently.

Soccer Tournament Website *Sep 2021 – Dec 2021*

- Engineered a J2EE-powered Soccer Tournament Website for a diverse user base of 6 roles. Introduced innovative round-robin scheduling for 8 teams, ensuring equitable fixtures. Integrated real-time scores and live statistics, enriching the user experience with up-to-the-minute match insights.

Face Mask Detection System *Sep 2020 – Dec 2020*

- Developed a distributed application using ResNet-101 CNN, Amazon Lambda and IoT devices for real-time mask detection from live video recordings and improved IoT operations latency.
- Tested the AWS Lambda function with 500+ requests in 5 minutes, achieving 2s per response time.