

HARSH SANJAYKUMAR NAGORIYA

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Work Experience

Amazon, Seattle, WA

Software Development Engineer

Dec 2023 – Present

- Contributed to high-impact LSE and managed high severity tasks by being on call, ensuring system stability and reliability during critical periods, including 24/7 availability for urgent issues.
- Developed and maintained 5+ Java-based APIs for seamless data exchange with vendors in the health insurance industry, fostering efficient integration and data flow.
- Implemented data transformation logic to convert 1000+ records per day between company-specific data formats and vendor-specific formats, ensuring compatibility and smooth data exchange within the benefits technology ecosystem.
- Streamlined service lifecycle for applications using AWS Fargate and Step Functions, automating over 10+ workflow jobs and reducing manual workload by 4 hours per day.
- Transformed JSON and relational database structured data into industry-standard formats, such as EDI 834, ensuring adherence to data integrity and facilitating interoperability for 100K+ records.

Audere, Seattle, WA

Software Engineer, Backend

Sep 2023 – 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.

SDET/QA 1

Aug 2022 – 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.
- 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.

Technical Skills

Languages: Java, JavaScript, C/C++, Python, Bash, TypeScript, SQL, PL/SQL, C#, Prolog, Assembly Language

Database: MySQL, PostgreSQL, MariaDB, Oracle SQL Plus

Technologies/Frameworks: JSP, Servlets, JDBC, Flask, AJAX, Spring, Hibernate, Espresso, Appium, AWS Lambda

Developer Tools: Amazon Web Services, Jira, CircleCI, Netbeans, Eclipse, Visual Studio, JUnit, Git, Taiga, Scrum

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