

## NIGUL SURESH

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Results-driven QA Engineer with 5+ years of experience in software QA, test automation, and performance engineering across AWS and GCP. Skilled in scalable test strategies, cloud optimization (up to 30%), and automation frameworks boosting system reliability. Proven ability to identify bottlenecks and enhance stability. Collaborative with developers, UX, and product teams to improve software quality and user experience.

### EDUCATION

Illinois Institute of Technology, Chicago, IL

May 2025

**Master of Science, Computer Science (GPA: 3.0/4.0)**

#### Project Work:

- Simulated DDoS attacks on MongoDB, Redis and BeeGFS; analyzed resilience differences.(2023)
- Designed test cases for Gas Pump System using EFSM models; identified defects via transition coverage.(2024)
- Developed meal delivery app using LangChain/LangGraph with ML-based ETA predictions.(2025)

BMS College of Engineering, Bangalore, India

June 2016

**Bachelor of Engineering, Information Science (GPA: 8.02/10.0)**

### WORK EXPERIENCE

#### Software Engineer – Performance Engineering | QA & Automation (Contributor)

Sabre Travel Technologies, Bangalore, India

April 2021-August 2021

- Worked within an Agile Scrum team, actively contributing to sprint planning, daily standups, and test deliverables.
- Built and ran performance/regression tests with JMeter & LoadRunner, cutting test cycle time by 25%.
- Reviewed and maintained 60+ regression test cases, ensuring coverage of critical functionality.
- Integrated automated tests into Jenkins-based CI/CD pipelines for early bug detection and faster release validation.
- Conducted regression, smoke, system, and sanity testing post-defect resolution to ensure system stability.
- Improved GCP resource efficiency by 30% by optimizing machine types and test infrastructure configuration.
- Collaborated with developers to triage and resolve defects, reducing average turnaround time by 18%.

#### Software Engineer – Performance Engineering | QA & Automation (Associate)

Sabre Travel Technologies, Bangalore, India

July 2016-April 2021

- Automated high-traffic scenario simulations, reducing manual testing by 40% and improving reliability across APIs.
- Spearheaded performance tuning and analysis, achieving 7% improvement in Java heap memory efficiency.
- Reduced frontend load time by 50% via JavaScript, CSS, and asset optimization.
- Authored test cases for UI, API, and backend testing across multiple Agile releases.
- Partnered with cross-functional teams to cut post-release defects by 20%.
- Used AppDynamics and Jenkins to monitor and visualize system performance trends.
- Created custom reports and dashboards for test execution metrics and defect trends to guide release decisions.
- Managed a WordPress-based internal site to display QA test results, implementing usability improvements and SEO optimizations for better performance and readability.

### SKILLS

- **Testing & QA:** Automation Scripting (UI/API), Performance, Manual, System, E2E Testing, Regression, Functional, Integration, UAT, Test Documentation, Defect Lifecycle Management, Bug Reporting, Test Planning & Reporting
- **Tools & Frameworks:** JMeter, LoadRunner, Postman, Jenkins, GIT, JIRA, Rally, Microsoft Office
- **Programming & Databases:** Java, Python, C++, HTML, CSS, SQL, MongoDB, Oracle DB
- **Cloud & Infrastructure:** AWS, GCP, Microservices, REST API, AppDynamics
- **Agile Methodologies:** Scrum, Kanban, Test-Driven Development (TDD), CI/CD
- **Content Management System:** Wordpress

### CERTIFICATES

- **Google Cloud Platform Fundamentals: Core Infrastructure Certified**
- **Python Certified: Google IT Automation**

April 2020  
September 2024

### HONORS

- **Excellence Award - Performance Engineering on Digital Connect AWS** | Sabre Travel Technologies
- **Excellence Award - Performance Engineering on Site Admin Tool** | Sabre Travel Technologies

July 2019  
July 2021