
MOHAMMED ALAM

(858) 335-4798 ♦ mohammed.nafi.alam@gmail.com

SKILLS

- **Languages & Frameworks:** C/C++/C#, Java, Python, JavaScript, Oracle SQL, MySQL
 - **CI/CD & DevOps:** Jenkins, TeamCity, Octopus Deploy, Azure DevOps, Docker
 - **Testing Expertise:** Component testing (C#), End-to-end testing (Playwright, JavaScript), REST API testing, CI/CD automation, Load testing
 - **Test Automation Tools:** Playwright, Robot Framework, Selenium, JMeter, Postman
 - **Cloud & Monitoring:** AWS (DynamoDB, ECS, SNS, SQS), Datadog
 - **Version Control & Collaboration:** Git, Bitbucket, SVN, Jira, Confluence, TestRail, SFDC
-

WORK HISTORY

Lead Automation Engineer, 07/2021 - Current

Generali Global Assistance – San Diego, CA

- Built scalable API test automation using Robot Framework (Python), fully integrated into Jenkins CI/CD, accelerating release cycles by 40%.
- Developed and maintained JavaScript-based Playwright tests for UI end-to-end coverage.
- Built and optimized real-time observability dashboards in Datadog, enabling proactive defect detection and reducing triage time by 50%.
- Collaborated with DevOps teams to test complex AWS microservices: DynamoDB, ECS, SNS, SQS.
- As the SME for Integration & Payments, provided technical leadership on automation strategy — guided engineers on scalable framework design, streamlined test coverage, and reinforced best practices across teams.

Software QA Engineer II, 09/2019 - 07/2021

Green Dot Corporation – La Jolla, CA

- Deployed and managed environments through TeamCity, Octopus Deploy, and Azure DevOps.
- Developed and maintained C#/.NET automation including component-level testing and API verification.
- Conducted backend validations on data migrations from Pervasive SQL to MySQL.
- Collaborated with cross-functional teams on agile sprints, feature readiness, and regression scope.

Quality Engineering & Assurance Analyst, 06/2018 - 08/2019

Cognizant – Irving, TX

- Completed accelerated corporate training in consulting principles, Java, Oracle SQL, JDBC, JUnit, JSP, and Selenium.
- Analyzed client requirements, designed automated test scenarios, triaged defects through SFDC, and ensured seamless deliveries upon project specifications.
- Validated client backend coding through IBM AS/400 and query testing.

Software Test Engineer, 05/2018 - 06/2018

Abbott – San Diego, CA

- Designed and executed test protocols for USB-connected drug test devices using protocol analyzers.
- Validated GUI components and collaborated with developers to resolve issues via JIRA.

Software QA Intern, 05/2016 - 08/2016

United Airlines – Chicago, IL

- Automated deployment pipelines and testing using CA Technologies Release Automation.
 - Helped modernize www.united.com deployment workflows with Agile automation strategies.
-

EDUCATION

Bachelor of Science: Computer Engineering, 2017

University of Illinois At Urbana-Champaign - Champaign, IL

Applicable Coursework: Data Structures, Algorithms & Models of Computation, Virtual Reality, Artificial Intelligence

PROJECTS

Operating System Project – <https://github.com/mnalam2/OperatingSystem/tree/master/student-distrib>

- Developed a full OS in x86/C with memory protection, file system, and I/O drivers.

AI Projects – <https://github.com/mnalam2/Artificial-Intelligence-Projects>

- Implemented search algorithms, game AI, and probabilistic reasoning.