Madhan Kumaravelu

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EXPERIENCE

TrusTrace

Devops Engineer   *May. 2022 – Present*

- Implemented pipelines for App deployments, Power BI and ETL process using Azure devops and Jenkins
- Configured and managed AWS & Azure services like EC2, Lambda, S3, EBS, CloudFront, Data factories, Azure devops and Power BI
- Created and managed cloud infrastructures using IaC tools like Terraform and Ansible
- Designed and built Docker containers for various applications, enabling seamless deployment across multiple env
- Implemented monitoring and alerting systems using tools like Prometheus and Grafana

Lead Quality Engineer   *Nov. 2021 – Apr. 2022*

- Led a team of SDETs and ensured timely delivery of quality software by collaborating with cross-functional teams and implementing agile methodologies
- Built scalable and maintainable automation framework using TypeScript and Playwright, resulting in improved test coverage and faster regression testing
- Containerized test automation scripts, and designed Jenkins pipeline to run tests in parallel
- Conducted API testing using tools like Postman, and SuperTest, ensuring proper functioning and data consistency
- Collaborated with development teams to identify and address performance and scalability issues, using K6 tool to simulate user traffic and load
- Mentored and trained team members on programming, automation and testing best practices

Testvagrant Technologies

Software Development Engineer in Test   *Sep. 2020 – Nov. 2021*

- Built Web automation framework from scratch using WebDriverIO in Typescript, and integrated it with Jenkins CI pipeline
- Developed and maintained test automation infrastructure using tools like Selenoid and Docker, ensuring efficient and scalable test execution
- Performed API testing using Postman for manual check and SuperTest library as part of automation
- Identified and automated business critical workflows and end-to-end scenarios
- Conducted code reviews and provided feedback on testing processes to the team members to meet quality standards
- Conducted compatibility testing of applications on different browsers, and devices, ensuring optimal performance and user experience

Sysvine Technologies

Quality Engineer II   *Feb. 2018 – Jun. 2020*

- Created and maintained web automation testing using Capybara in Ruby, and integrated with Circle CI
- Conducted exploratory testing to identify defects and improve the user experience of an application
- Developed and maintained testing documentation, including test plans, test cases, and test reports, ensuring clear communication and understanding of testing processes
- Played a critical role in acquiring Workday global payroll partner certification
- Involved in functional, usability, compatibility, and regression testing
- Conducted cross-browser and cross-platform testing of applications, ensuring compatibility and consistency across different environments
- Worked with Jira and Qase to track user stories, bug reporting, test cases maintenance deployment processes
- Performed root cause analysis of production incidents, identifying and addressing underlying causes to prevent future occurrences

Aiway Solutions

Associate Systems Engineer QA   *Dec. 2015 – Jan. 2018*
- Participated in daily stand-up, sprint-planning, and meet up with developers for shorthand-off demonstrations
- Conducted functional testing of applications, ensuring adherence to user requirements and specifications
- Contributed to E2E web automation in Selenium using Java, and data driven approach using Apache POI libraries
- Participated in stand-ups, showcase meetings, and client meetings for feature clarification
- Involved in functional, regression, and retesting ensuring basic functionality and proper functioning of key features

TalentSprint

Software Quality Assurance Intern   *Dec. 2014 – May. 2015*

Certification

- Certified International Software Testing Qualification Board **(ISTQB - CTFL)** foundation level
- Certified Kubernetes Application Developer **(CKAD)**, CNCF
- Google Cloud Fundamentals: Core Infrastructure, Coursera

SKILLS

Programming languages: JavaScript/Typescript, and Java
Tools and Framework: Selenium, Playwright, TestNG, Gradle, SuperTest, Rest assured, Postman, Git, NPM, and Jira
Devops: Docker, Kubernetes, AWS, GCP, Jenkins, Sonatype Nexus, Ansible, Terraform, Azure devops and Github Actions

EDUCATION

Aalim Muhammed Salegh college of Engineering   2010 – 2014