

DANIEL VERGIL STEPHEN

Software Development Engineer in Test III

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SUMMARY

Results-driven Software Development Engineer with 14+ years of expertise in quality automation engineering and full-stack development. Passionate about delivering high-quality software solutions and optimizing test automation frameworks. Adept at test automation, CI/CD pipelines, and cloud-based deployments.

EXPERIENCE

Software Development Engineer in Test III 11/2021 - Present

Generac Grid Services

Vancouver, Canada

- Architected and implemented robust test automation strategies for UI, API, and scale testing using Cypress, Postman, Livebook, PhoenixTest, and ExUnit
- Led end-to-end IoT device testing, ensuring seamless cloud integration and high system reliability
- Developed and maintained full-stack applications in Elixir and Phoenix, optimizing performance and scalability
- Managed backend deployments on Ubuntu servers, streamlining infrastructure and validation processes
- Optimized Cypress test framework, reducing flakiness, adding reusable helper functions, and improving execution speed
- Reduced regression cycles by 60% by automating feature and scale tests, accelerating release timelines
- Built automation tools to eliminate repetitive manual QA efforts, driving efficiency and test coverage

Senior Quality Assurance Automation Engineer 09/2019 - 11/2021

Stamps.com

El Segundo, USA

- Developed custom test automation frameworks for web and API testing using WebdriverIO (JavaScript) and Watir (Ruby)
- Configured and optimized CI/CD pipelines using Jenkins and Groovy based Job DSLs
- Automated Windows desktop applications using AutoIT and executed cross-browser tests with Sauce Labs
- Managed AWS infrastructure, including EC2 instances, AMI creation, and Auto Scaling Groups
- Spearheaded Work-Ahead automation, boosting velocity metrics by 30%

Senior Project Engineer | Project Engineer 09/2010 - 09/2019

Wipro Limited

Santa Monica, USA |
Chennai, India

- Led a globally distributed test team, ensuring a 90%+ success rate in meeting production milestones with high-quality deliverables
- Automated functional, regression, and accessibility tests using Selenium WebDriver, TestNG, Java, and Axe
- Developed API automation using Postman/Newman and validated data integrity on PostgreSQL/MySQL
- Integrated test automation into CI/CD pipelines using Jenkins and CircleCI for seamless deployments
- Ensured WCAG 2.0 compliance by testing with JAWS and automating accessibility checks
- Led test case creation, execution, and reporting, leveraging tools like HP QC and ALM

EDUCATION

Master of Technology, Software Engineering 01/2011 - 12/2014

Birla Institute of Technology and Science

Chennai, India

Bachelor of Science, Mathematics 06/2007 - 04/2010

St. Xavier's College

Tirunelveli, India

FIND ME ONLINE

in
https://www.linkedin.com/in/daniel-vergil-stephen/

GitHub
https://github.com/daniel-vergil



SKILLS

Programming Languages

JavaScript, TypeScript, Elixir, Java, Ruby, Gherkin

Test Automation

Cypress, WebdriverIO, Selenium, ExUnit, PhoenixTest, Livebook, Watir, Robot Framework, Postman

Web Frameworks

Phoenix, MERN Stack

API

GraphQL, REST, SOAP

CI/CD & DevOps Tools

Jenkins, Job DSLs, GitHub Actions, Docker

Database

SQL, PostgreSQL, MongoDB

Cloud & Infrastructure

AWS: EC2, ECS, AMIs, Load Balancers, Auto Scaling Groups, Parameter Store

Monitoring & Logging

Splunk, Sumo Logic, DataDog

KEY ACHIEVEMENTS

💎 Work Ahead Automation

Boosted velocity metrics by 30% by introducing proactive test automation, enabling test scripts to be written ahead of development, drastically reducing execution time and accelerating releases.

💎 Regression Cycle Optimization

Enhanced release efficiency by automating scale tests using Livebook, cutting regression cycle time by 60% and streamlining the deployment process.

💎 Full Stack & DevOps Contribution

Expanded impact beyond test automation by actively contributing to full-stack development and DevOps operations, enhancing product quality and managing deployment processes.

💎 QA Leadership

Led a geographically distributed test team, taking full ownership of the testing process for multiple deliverables, ensuring quality and timely releases.