

Jonathan Portobanco

SDET | Software QA Automation Engineer

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Professional Profile

I am a results-driven Software Engineer in Test with a strong focus on automation practices. Proficient in Python and Bash, I engineer and implement automated testing frameworks that drive efficiency and quality. I leverage continuous integration, cloud solutions, and agile mindset to ensure high-quality software delivery, enhancing productivity.

Experience

Software Engineer QA Automation, Komodo Health – Costa Rica, Remote **Jan 2025 – present**
- Engineered and maintained automation frameworks using Selenium and Python to validate application workflows, APIs, and user interfaces, improving testing efficiency and reducing cycle times.
- Led the introduction for main CI/CD automation framework utilizing GitHub Actions and Docker, resulting in an increase in deployment frequency and reliability.
- Performed comprehensive end-to-end, black-box, unit, and regression testing across multiple environments to ensure high-quality releases and cross-browser compatibility.
- Collaborated with cross-functional teams, leveraging tools like Postman and TestRail to drive process improvements and deliver actionable insights through detailed reporting and analysis.

Software Engineer, Intel Costa Rica – Costa Rica, Remote **Sept 2023 – Jan 2025**
- Engineered automated test scripts using Python and Bash to validate software functionalities and streamline the results, which led to a 20% reduction in testing cycle time, allowing for quicker releases and enhanced product reliability.
- Developed over ten software solutions across various Linux and Windows environments with a strong understanding of command-line tools, file systems, and package management.
- Utilized version control and continuous integration tools to ensure efficient code management and deployment while maintaining technical proficiency in advanced development environments and cloud solutions (Docker, Jenkins, GCP).

Front End Engineer, CommandLink – Costa Rica, Remote **Sept 2023 – Jan 2024**
- Collaborated within a cross-functional team of front and back-end engineers, QA and UI/UX to ensure agile communication, leading to 15% time cut on task solving process.
- Successfully integrated changes and features to the website's design leveraging JavaScript libraries/frameworks like styled-components, improving by 35% site's user engagement.
- Introduced unit test automated execution using Jest to ensure code quality before deployment, achieving an 85% project coverage threshold, which minimized bugs in production.

Web Developer, Aztec Promotional Group – Costa Rica, Remote **Oct 2022 – July 2023**
- Configured and supported Continuous Integration/Continuous Deployment (CI/CD) pipelines using tools like Jenkins and GitLab CI/CD, which led to a 25% reduction in deployment times, allowing for more frequent and reliable releases.
- Collaborated seamlessly within a team, frequently spearheading innovative software initiatives and actively contributing to the design, development, and targeted testing of advanced solutions.
- Diagnosed and optimized application performance, empowering clients to rapidly adapt to market shifts and enhance operational efficiency, which resulted in 15% costs reduction.

Skills

Languages: Python, JavaScript, Bash, SQL, HTML, CSS, React.js, Three.js.

Testing & Automation: TestRail, Selenium, Cypress, PyTest, Postman, Jenkins, GitHub Actions, Selenium.

Cloud & Deployment: AWS, GCP, EC2, CloudWatch, Docker, Kubernetes, Terraform, GKE.

Databases: MySQL, PostgreSQL, MongoDB.

Education

CENFOTEC University, Bachelor's Degree in Software Engineering – Costa Rica

Bilingual Experimental High School, High School Diploma in Higher Education – Costa Rica

Languages

English: C1 Advanced (Professional Working Proficiency)

Spanish: Native Speaker

Certificates

English Level C1 Certificate: Cambridge English Language Assessment

Cloud DevOps Engineering Professional Certificate ↗ : Google Cloud Training

IBM DevOps, Cloud, and Agile Professional Certificate ↗ : IBM

Certified in Cybersecurity (CC) ↗ : Cisco Networking Academy

Agile Explorer Badge ↗ : IBM

Meta Back-End Development ↗ : Meta

Projects

Software Engineering Portfolio ↗

An interactive, React.js & Three.js portfolio to showcase my experience as a Software Engineer, leveraging a full-stack, 3D Progressive Web App, mobile responsive and cross-browser compatible.

- API integration to scrape projects metadata from their respective host sources.
- Automated continuous integration and deployment (CI/CD) using GitHub Actions alongside Netlify CLI for hosting.
- GitHub Repository ↗

ArrowKeys Menu - Bash / Zsh CLI ↗

Modular and open-source way to create an arrow keys interactive selector menu for the users within the terminal, preventing from errors or mistakes when prompting the end user for an input.

- Highly customizable, to suit your own needs/styles, making life easier for the developer and better Python solutions for the audience.
- Tested and optimized for cross-platform and cross-os compatibility (Linux, macOS, Windows WSL).

Fitness Club - Gym Web App ↗

A React.js-based progressive web app designed to fetch and display exercise data from ExerciseDB API alongside YoutubeSearch API using a custom hooks, tailored to user input.

- Custom react hook to fetch ExerciseDB and YoutubeSearch data, asynchronously calls for related video content.
- Automated CI/CD deployment using GitHub Actions for seamless updates and hosting via Netlify CLI.
- GitHub Repository ↗