



Stewart Burton

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About

A seasoned **Software Quality Assurance** expert successfully transitioned into **DevOps Engineering**, leveraging extensive experience in optimizing software development lifecycles, automation strategies, and quality assurance practices, agile methodologies & DevOps practices.

Passionate about enhancing pipeline efficiencies, I specialize in delivering accelerated, reliable, and intelligent deployments through **automation**, **infrastructure as code**, and integrated monitoring solutions.

Proven expertise includes **Azure DevOps**, **K8s**, **Docker**, **Git**, **Ansible**, **SonarQube**, **Grafana**, **Dynatrace**, and various scripting and automation technologies. Committed to continuous improvement, mentoring teams, and **proactive** problem-solving to consistently add measurable organizational value.

Deeply interested in **Agentic Software Development and Delivery**, actively exploring systems that integrate **agentic principles** to enhance flexibility, efficiency, and intelligent automation in modern software pipelines, workflows, delivery, and monitoring.

Work Experience

06/2024 — present
Cape Town

Intermediate DevOps Engineer BET Software

- Implemented modular CI/CD pipelines with Azure DevOps and GitHub Actions, significantly enhancing build, deploy reliability and time.
- Developed automation scripts in PowerShell and Python, streamlining operational tasks; server health-checks, pipeline automation, logs clean up — saving approx 40 hrs per month.
- Created Ansible playbooks to automate config management, software deploys and build agents cleanup, significantly reducing manual workload by approx 25 hrs per month.
- Enhanced Kubernetes build agents with custom Dockerfiles + pipeline configurations, achieved greater reliability + operational efficiency.
- Integrated active Dynatrace monitoring within Microsoft Teams for real-time alerts and proactive incident management.
- Authored extensive internal documentation, how-to guides, knowledge-sharing articles, reducing onboarding times for graduates, new starts as well as improving teams' productivity. Curator of several confluence spaces, including the DevOps space and content.

Key Projects:

- Modular CI/CD YAML pipeline implementations (conditional Docker setups, isolated deploys)
- GitHub workflow migration to Azure DevOps pipelines. Including custom script to identify + update task etc. auto create PRs' for these decommissioned GitHub Actions / tasks.
- Fully automated BI + Finance pipelines' incl dacpac artifacts, server health-checks, test suites, implemented secure approval gates (did not have prior in the company).
- Developed + optimized custom SonarQube reporting pipelines, that produce Excel documents and graphs for Head of Software & SLT, auto commits to ADO repository using GIT — significantly improving code quality visibility, issue detection, and maintainability.
- Implemented active Dynatrace monitoring on build servers, pipeline integration and

Work Experience

MSTeams, enabling real-time alerts and proactive incident response.

06/2023 — 06/2024
Cape Town

Senior Software Quality Analyst BET Software

- Championed and maintained QA environments for several products.
- Spearheaded test automation initiatives to enhance CI/CD efficiency and mitigate live issues and deployment risks.
- Created comprehensive re-usable and automatable test packs, and aided in creation of end-to-end testing frameworks encompassing functional, performance, and some integrated security testing.

Technologies: Python, PyTest, PowerShell, Postman, SQL Server, Azure DevOps, Git, Docker, Elastic, Grafana, JIRA, Selenium, Playwright, ZenDesk

02/2022 — 07/2023
Cape Town

Software Development Engineer in Test Derivco

- Developed and maintained **automated test frameworks** for iGaming and Backoffice applications.
- Implemented and executed test automation utilizing Selenium, PyTest, and Playwright frameworks
- Incorporated AI-powered automation strategies to optimize software testing procedures.
- Managed build and release pipelines, emphasizing reliability and maintainability.
- Rapid Response team member.

Technologies: Azure DevOps, Azure Test Plans, Selenium, JavaScript, Octopus Deploy, OWASP, C#, PowerShell, SQL Server

11/2015 — 02/2022
Durban

Software Quality Analyst Derivco

- Executed functional, regression, and performance testing for software releases.
- Conducted performance testing using JMeter, Locust to optimize system efficiency.
- Improved CI/CD pipeline efficiency through test automation integration.
- Facilitated agile processes and mentored junior QA staff.
- Designed comprehensive end-to-end CI/CD pipelines automating ephemeral environments in Axiom, deployment of web applications, backend services, databases, and configuration files. Automated installation and configuration of casino games and back-office software, automated creation and funding of test user accounts, and execution of integrated test suites, substantially reducing manual overhead and increasing deployment reliability.

Technologies: Azure DevOps, Postman, PowerShell, SQL Server, Launch Darkly, IIS, VMware

References




Recommendations available on LinkedIn or upon request.

Skills

— CI/CD & INFRASTRUCTURE

 Azure DevOps,  GitHub Actions,  IIS,
 Kubernetes,  Docker,  ArgoCD,  Octopus
Deploy,  Helm,  Terraform,  RHEL OpenShift

— MONITORING & OBSERVABILITY

 Dynatrace, Grafana, ELK (Elastic), Datadog,  SonarQube,  Good old Log files

— CLOUD & PLATFORMS

 Azure,  Windows Server,  RHEL OpenShift,  Linux Administration,  VMware vSphere / vCloud






— AUTOMATION & SCRIPTING

 Python,  PowerShell,  Ansible,  YAML,  Bash,
 JavaScript

— COLLABORATION & WORKFLOW

 JIRA, Zephyr Scale, Test Rail,  Confluence,  Good
old Sticky Notes,  Agile & SCRUM Methodologies

— TESTING & QUALITY ASSURANCE

 Load Testing,  Playwright,  Functional,  Mobile,
 Exploratory  API Testing,  Regression
Testing

Education

07/2024 — 04/2025	DevOps and Cloud training via LinkedIn Learning and KodeKloud Academy
08/2020	Artificial Intelligence Foundations: Machine Learning LinkedIn
11/2020	C# Essential Training: 2 Flow Control, Arrays, and Exception Handling LinkedIn
10/2020	Git Essential Training: The Basics LinkedIn
08/2020	DevOps Foundations: Containers LinkedIn
03/2018	ISTQB® Advanced Level Test Analyst, Information Technology, Testing SQS
03/2015	ISTQB® Certified Foundation Level Tester, Information Technology, Testing ISEB

Education

01/2003 — 12/2006

Batchelor of Arts | BA, Psychology, Communications, English
Varisty College

12/2002

Matriculated
Westville Boys' High School

Hobbies



Hiking



FPV drone flights



Motorcycles



Taekwon-do



Road trips in
search of the
perfect coffee



Boxing



Tech, PC Gaming



LLMs & Agentic
Coding

Strengths

- **Proactive Problem-Solving:** Quickly identifies and resolves complex issues to minimize downtime and disruptions.
- **Adaptability:** Efficiently responds and adjusts to new tools, processes, and evolving business needs.
- **Continuous Learning:** Committed to staying current with industry trends, tools, and best practices in DevOps and software development.
- **Effective Communication:** Clearly and effectively communicates complex technical concepts to diverse teams and stakeholders.
- **Collaboration & Teamwork:** Skilled at fostering strong, productive relationships across multidisciplinary teams.
- **Documentation & Knowledge Sharing:** Diligently creates comprehensive documentation and actively participates in knowledge-sharing initiatives to empower team members.
- **Mentorship & Leadership:** Provides guidance and mentorship to colleagues, supporting their professional growth and development.
- **Strategic Thinking:** Focused on aligning technical initiatives with broader business objectives for sustained organizational success.
- **Attention to Detail:** Ensures accuracy and reliability in all tasks, reducing the likelihood of errors or oversights.
- **Resilience & Stress Management:** Effectively manages pressure and maintains productivity during critical incidents and project deadlines.

Thank you for reviewing my C.V - I look forward to discussing
how my experience aligns with your DevOps team's goals.