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01 PROFILE

More than 10 years building software quality: I started in QA Automation and SDET work, grew into a testing architect, and since July 2024 have added DevOps engineering to that base. I design end-to-end strategies (discovery, automation, observability, performance) for web, mobile and point-of-sale platforms, frequently in regulated contexts where a defect costs real money: banking, insurance, capital markets.

I build custom automation frameworks on Selenium, Appium, Cypress or Robot Framework, then wire them into CI/CD pipelines with Jenkins so every release validates itself. Test infrastructure is code to me (reproducible environments with Terraform alongside Ansible, on AWS or on-premise servers), orchestrated with Docker, scaled on Kubernetes. Monitoring with Prometheus, Grafana, ELK spots degradation before users do; load testing with JMeter, Locust, K6 anticipates it.

That method is proven across 8 sectors (from banking to retail, insurance to digital identity) with results you can audit achievement by achievement on this very site: 45 % less test execution time with 85 % automated coverage, 70 % less environment setup time through Testing as Code, above 95 % stability in the mobile framework, 40 % faster defect detection through monitoring. One idea drives me: quality should stop being an opinion and become data, data that scales with the business, lowers operational risk, enables decisions.

10+	7	13	8
YEARS	COMPANIES	PROJECTS	SECTORS

DECEMBER 2015 TO TODAY · NO MEANINGFUL BREAKS · 11 DAYS AT MOST

02 TRACK RECORD

Quality Engineering Architect

Jul 2025 — Present

Consultora Gapsi · Liverpool · Retail

Design and implementation of an end-to-end testing architecture with automation frameworks built from scratch (Selenium, Cypress, Robot Framework) embedded into CI/CD pipelines. Performance testing architecture with JMeter, Locust and K6 to surface critical bottlenecks. Testing infrastructure as code with Terraform and Ansible for reproducible AWS environments. Quality monitoring ecosystems with metric dashboards and alerting. Leadership of QA transformation with Python and Bash tooling. End-to-end testing with Apache JMeter and IBM Rational Performance Tester. Source control with Git under agile methodologies and Continuous Testing.

- **45 %** reduction in test execution time with **85 %** automated coverage.
- **60 %** improvement in application performance through a performance testing architecture.
- **70 %** reduction in environment setup time with Testing as Code on AWS.
- **40 %** reduction in defect detection time with Prometheus, Grafana and ELK monitoring.
- **50 %** improvement in execution efficiency through QA transformation and automation.
- **30 %** improvement in application SLAs with end-to-end performance testing.

DevOps Engineer

Jul 2024 — Jul 2025

Consultora Gapsi · Liverpool · Retail

Implementation of CI/CD pipelines automating integration, testing and deployment, cutting production errors. Container orchestration with Docker and Kubernetes for highly available, scalable environments. Infrastructure as code with Terraform and Ansible for reproducible, auditable AWS provisioning. Proactive monitoring with Prometheus and Grafana dashboards and critical alerting. Linux system administration with Bash automation. Source control with Git and agile methodologies for continuous delivery.

- **45 %** reduction in delivery time through CI/CD pipelines with Jenkins and Git.
- **60 %** improvement in operational efficiency with Docker and Kubernetes orchestration.
- **70 %** reduction in provisioning time with infrastructure as code (Terraform, Ansible) on AWS.

- **40 %** reduction in incident response time with Prometheus and Grafana monitoring.
- **50 %** improvement in deployment efficiency through Bash automation.
- **30 %** improvement in application performance with load testing on Apache JMeter and IBM Rational Performance Tester.

SDET Engineer

May 2023 — Jul 2024

FEMSA · Spin by OXXO · Spin by OXXO · Fintech

Maintenance and evolution of the mobile automation framework for Spin by OXXO, keeping scripts sound against continuous business rule changes. Automated regression runs in QA with Jenkins and continuous monitoring for early error detection. Development of new automated test cases for high-churn features. Collaboration with functional QA to ensure acceptance criteria were met. Coordination with development to keep automated test pipelines running without interruption.

- Above **95 %** stability in automated runs of the mobile automation framework.
- **40 %** reduction in the regression validation cycle through automated regressions on Jenkins.
- **35 %** increase in test coverage across sensitive areas and critical features.
- Active support to functional QA on manual regression testing ahead of staging releases.
- POD-based coordination keeping the CI/CD flow stable during simultaneous deployments.

Automation and Software Quality Lead

May 2022 — Jun 2023

NA-AT Technologies · Cloud Identity · Digital identity

Technical leadership of the Automated Testing Office, delivering dependable solutions for enterprise clients in agile environments with CI/CD integration.

- **40 %** improvement in validation efficiency through strategic automation approaches for web and mobile solutions.
- **30 %** reduction in production defects through per-sprint test planning under Scrum and Kanban.
- Up to **50 %** reduction in automated suite execution time with modular, maintainable frameworks.
- Scalable automation architectures with coding standards and reusable tests aligned to CI/CD.
- Linux servers configured for autonomous automated test execution via Jenkins and Docker.
- Cross-team coordination with development, DevOps and project management for continuous, traceable delivery.

Senior QA Automation Engineer

May 2021 — May 2022

Parrot Software · Parrot Connect · omnichannel POS · Point of sale

End-to-end validation of POS solutions and administrative platforms for the restaurant industry, focused on omnichannel integration and operational experience.

- Above **90 %** coverage of acceptance criteria with functional and regression matrices in Jira and Zephyr.
- **35 %** reduction in production failure risk through early detection across high-impact POS and mobile flows.
- **40 %** increase in automated coverage by reaching features that had never been automated.
- More than **30 %** reduction in suite execution times with EC2 instances configured with Docker and Jenkins.
- Maintenance and evolution of the POS automation framework against structural changes to the system.
- CI/CD pipeline verification on Bitrise so the APK builds and runs without integration errors.

03 EARLIER TRACK RECORD

IISI	Banco Santander · rewards platform	May 2019 — May 2021
Praxis	Fundación Carlos Slim · E-Global · Bolsa de Valores de Colombia *and 2 more*	Jan 2018 — May 2019
Vision Consulting	Banco Actinver · BBVA Bancomer	Dec 2015 — Jan 2018

04 CAPABILITIES

Quality Assurance architecture

Automation framework design · **Multi-platform test architecture** · **Continuous Testing** · **Testing standards and best practice** · **Requirements traceability matrix** · Testing architecture design · Testing as Code (TaaC) · Quality engineering strategy · Page Object Model (POM) · Scalable, maintainable architectures · Quality integration into CI/CD · Testing pipeline design · Quality metrics and KPIs · Performance testing strategy design · Quality monitoring ecosystem design · Architecture technical documentation · QA technical leadership · Quality process transformation · Screenplay Pattern · Shift-Left Testing · Quality Gates · Test Data Management

DevOps engineering

Jenkins · **GitHub** · **AWS (EC2, Device Farm)** · **Docker** · **Terraform** · **Ansible** · **Git** · **Prometheus** · **Grafana** · **Bash** · Kubernetes · Bitbucket · Bitrise · Kibana · ELK Stack · Linux (Ubuntu, CentOS) · Jenkinsfile · Dockerfile · Docker Compose · YAML

QA Automation / SDET

Selenium WebDriver · **Python** · **Java** · **Appium** · **Cucumber** · **TestNG** · **Perfecto Mobile** · Cypress · Robot Framework · Serenity · JUnit · Maven · Allure Reports · Cucumber Reports

Performance testing

Apache JMeter · IBM Rational Performance Tester · Locust · K6

Quality Assurance

Test matrices · **Integration testing** · **Regression** · **Test plans** · **UAT** · **Jira** · **Smoke Testing** · **Retest** · **Execution reports** · **Test closure reports** · **SoapUI** · Black, white and grey box testing · Postman · Confluence · Xray · Zephyr · QMetry

Databases

· MongoDB · Oracle Database · SQL Server

05 CREDENTIALS

Certifications

ISTQB Certified Tester Foundation Level

`HASTQB · 2018`

Automation tester certificate using Selenium with Java

`ISTQB · 2020`

Certified Java Developer

`W3Schools · 2024`

Education

Postgraduate degree in Information Systems

`Universidad Icel, campus La Villa · Aug 2014 — Aug 2015`

Bachelor of Engineering in Computer Systems

`Universidad Icel, campus Lomas Verdes · Aug 2011 — Aug 2014`

Languages

Spanish

`Native language`

English

`B2 — advanced reading and writing, intermediate conversation`