

Dimitrios Apostolakis | QA AUTOMATION & PERFORMANCE ENGINEER

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Experience

HF Markets

(Hybrid) Athens, Greece

QA Automation / Performance Engineer

Jan 2026 – present

- Built an enterprise **k6 load testing framework** from scratch covering 8+ **microservices** with automated Jenkins execution, gRPC metric collection, HashiCorp Vault integration, and database-backed historical trend analysis
- Delivered **20+ load test campaigns** in 6 months validating critical infrastructure changes including AWS migration, Redis cluster refactoring, and wallet API rewrite across production and pre-production environments
- Designed a self-service **Jenkins pipeline** with Active Choices enabling dev teams to trigger load tests on demand; automated 6+ hour/week recurring weekend performance runs eliminating manual overtime entirely
- Built a dedicated **Cloudflare WAF** validation suite covering rate limiting, custom firewall rules, OWASP core ruleset, and bot mitigation — ensuring zero false positives on legitimate user flows before production deployment
- Supported MT4/MT5 parallel trading load tests using **Locust** with 12 concurrent terminal instances; created database schema for per-endpoint test configuration enabling data-driven execution strategies

(Hybrid) Athens, Greece

Openbet, Opap

QA Automation Engineer

Apr 2024 – Jan 2026

- Automated API and UI tests using **Java, JUnit, Selenium, Cucumber** reducing manual testing effort by 70% and achieving 85% regression coverage across component, app group, and integration levels
- Executed containerized testing workflows using **Docker, Kubernetes, ArgoCD** reducing environment setup time by 75% and enabling parallel test execution across multiple service versions
- Monitored and maintained **Jenkins CI/CD** pipelines running 3000+ automated tests per release cycle, sustaining a 95%+ pass rate and identifying flaky tests through trend analysis
- Performed peer code reviews and led knowledge transfer sessions onboarding 3 engineers; validated backend systems using **SQL, Spring PostTemplate, AssertJ** and Postman

(Remote) Athens, Greece

Agile Actors, Österreichische Post

Software Engineer in Test

Feb 2023 – Apr 2024

- Optimized CI/CD test runtime by 80% (25 min to 5 min) and local runtime by 90%, significantly cutting infrastructure costs and raising developer productivity across the team
- Developed and maintained 400+ E2E tests for critical user flows in **C#/.NET, Playwright**; built nightly pipelines validating cross-browser rendering across 5 device profiles
- Introduced backend integration tests using **WireMock** covering 30+ API endpoints; automated accessibility testing with axe-core ensuring WCAG/A compliance across all public-facing pages

(On-site) Athens, Greece

Hellenic Army IT Center

Software Engineer

Mar 2022 – Dec 2022

- Developed a web scraping tool in **Python** that recovered and migrated content from 45 WordPress websites, preserving data integrity during a full infrastructure transition
- Introduced auto-generated simulation reports using **R** that reduced manual data processing time by 90%, enabling faster decision-making during strategic coordination exercises

Skills

Stack: TypeScript, JavaScript, Python, Java, C#/.NET, SQL, Bash, Git, gRPC, HTML/CSS

Tools: k6, Locust, Playwright, Selenium, Jenkins, Docker, Kubernetes, AWS, Azure, Grafana, Postman, GitLab CI/CD

Practices: Performance Testing, Load Testing, Security Testing, CI/CD, Test Automation Strategy, Agile/Scrum, DevOps, BDD

Education

Technical University of Crete

Chania, Greece

MEng in Electrical and Computer Engineering

2016 – 2021

- Grade: 7.27/10.00, 300 ECTS
- **Thesis:** "Optimization of electric energy management in buildings based on machine learning techniques" — Implemented RL algorithms **minimizing electricity cost by 31%**; scheduling algorithm attaining further **17% decrease**

Certifications

Microsoft: Azure Solutions Architect Expert, Azure Administrator Associate, Azure Fundamentals

AWS: Solutions Architect – Associate

Training: ReGeneration: Cloud Tools & Technology, Docker Mastery, Python Bootcamp