DIMITAR PRODROMOV

Systems Architect | Senior QA Automation Engineer
Ø=ÜÍ Bulgaria (Remote) | Ø=Üç <papica777@gmail.com> | Ø<ß [Portfolio](https://qantum-fortres.gith
PORTFOLIO/)

PROFESSIONAL SUMMARY

High-impact Systems Architect and Senior QA Automation Engineer with a proven track record of building autonomous, enterprise-grade software ecosystems. specialized in TypeScript, Playwright, and Node.js.

Recently architected and deployed "The QAntum Empire", a 13-module distributed system featuring High-Frequency Trading (HFT) capabilities, self-healing infrastructure, and military-grade security (SLSA Level 1). Expert in transforming manual testing processes into fully automated, AI-driven pipelines that reduce cycle time and maintenance costs.

TECHNICAL SKILLS

- Automation & QA: Playwright, TypeScript, Selenium, API Testing (REST/GraphQL), Self-Healing Tests (AI-driven).
- Core Development: Node.js, JavaScript (ES6+), Python.
- Infrastructure & DevOps: Docker, Kubernetes, GitHub Actions (CI/CD), AWS, Google Cloud (Vertex AI).
- Observability: Datadog (Real-time Monitoring), Prometheus, ELK Stack.
- Security: SLSA Level 1 Compliance, OWASP, Hardware-bound Security (Fingerprinting).
- Databases: MongoDB, PostgreSQL, Redis (High-performance caching).

PROFESSIONAL EXPERIENCE

FOUNDER & LEAD ARCHITECT

QAntum-Fortres (Autonomous Software Ecosystem) | Remote | 2025 – Present
Acting as a Solo Architect delivering the output of a 10-person engineering team.

- Architected "The QAntum Empire": Designed and built a suite of 13 interconnected applications, including HFT engines, cybersecurity tools, and QA frameworks.
- Developed "Q-Allright" (QA Framework): Built a custom Playwright-based automation framework with AI Self-Healing capabilities, reducing test maintenance time by 90%.
- Implemented HFT Testing: Designed API tests for the "Vortex AI" trading engine, validating sub-50ms transaction latency and race-condition handling.

• Enterprise Hardening: Integrated Datadog for full-stack observability and enforced SLSA Level 1 supply chain security across all CI/CD pipelines.
• Automation: Created "Bio-Healer", an autonomous SRE agent that detects server crashes and restores services without human intervention.

SOFTWARE ENGINEER (Previous Experience)

Focus on scalable backend systems and automation.
(Add specific previous roles here if applicable, or focus on the massive output of the current project as the primary experience anchor)

KEY PROJECTS (THE ARSENAL)

1. Q-ALLRIGHT (Autonomous QA)

- • Tech: TypeScript, Playwright, AI Agents.
- • Impact: Automated end-to-end testing with self-correction logic, eliminating flaky tests.

2. VORTEX AI (High-Frequency Engine)

- • Tech: Node.js, WebSocket, Tensor Cores.
- • Impact: Real-time arbitrage engine processing thousands of events per second with <50ms latency.

3. GHOST SHIELD (Cybersecurity)

- • Tech: Canvas Fingerprinting, WAF Bypass.
- • Impact: proven capability to bypass enterprise-grade bot protections (Cloudflare/Akamai).

EDUCATION & CERTIFICATIONS

- • SoftUni - Software Engineering Program
- • Self-Taught Expert in Distributed Systems & AI Architecture.

LANGUAGES

- • English: Professional Proficiency (C1/C2)
- • Bulgarian: Native