

**YAKOV ZABOROV** +972-0505250046 | iakov.zaborov@gmail.com |  
[www.linkedin.com/in/yakovzaborov](https://www.linkedin.com/in/yakovzaborov)

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## Senior QA Automation Engineer | Cloud & Backend Systems

Senior QA Automation Engineer with 20+ years of experience specializing in backend, microservices, and cloud-native (AWS, GCP, Kubernetes) environments. Expert in architecting Python-based automation frameworks (PyTest, Locust) from scratch, leading system-level test strategy (STP), and driving quality in high-scale, security-driven ecosystems. Proven track record in CI/CD, API testing, and performance engineering, ensuring reliability for complex distributed systems. Fluent in English, Hebrew, and Russian.

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## Core Competencies

- **Languages:** Python, Java, C/C++, C#, JavaScript
  - **Automation Frameworks:** PyTest, Selenium, TestNG, Robot Framework
  - **Performance Tools:** Locust, Gatling, JMeter, LoadRunner
  - **Infrastructure & Cloud:** AWS, GCP, Kubernetes, Docker, Terraform, Azure, Linode
  - **CI/CD & DevOps:** Jenkins, GitHub Actions, Travis CI, Git, Maven, Ant
  - **Monitoring & API Testing:** Grafana, DataDog, Kibana, Postman, REST API, gRPC
  - **Databases & Messaging:** MongoDB, Kafka, MS SQL, Oracle, WebSphere MQ
  - **Methodologies:** Agile, Scrum, SRE, Microservices, TDD/BDD
  - **Tools:** Jira, Confluence
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## Work Experience

### Performance & QA Automation Engineer EPAM Systems | May 2018 – Present (Israel)

- Architected and implemented robust, scalable Python-based automation and performance frameworks (PyTest, Locust) from scratch for enterprise-scale, cloud-native clients (e.g., Akamai).
- Owned the complete test lifecycle, including writing System Test Plans (STP), defining test strategy, and executing complex system-level and integration testing for microservices architectures.
- Developed custom Python (Locust) load generators, deploying them directly into Kubernetes clusters on AWS and GCP to simulate real-world production traffic.
- Engineered and integrated end-to-end automation (functional, API, performance) into CI/CD pipelines (GitHub Actions, Jenkins), significantly improving regression reliability.

- Established comprehensive monitoring and observability for test environments using Grafana, DataDog, and Kibana, enabling rapid debugging of complex system failures.
- Mentored junior QA engineers and collaborated directly with DevOps and SRE teams to enhance service reliability.

**Tech Stack:** Python, PyTest, Locust, Kubernetes, Docker, AWS, GCP, Terraform, GitHub Actions, Grafana, DataDog, Selenium, JMeter, Gatling.

**QA Automation Engineer** Bercut Ltd. | Apr 2004 - Mar 2018 (Russia)

- Designed and maintained large-scale Java (TestNG) automation suites for E2E and API testing of major telecom systems, integrating them into a Jenkins CI/CD pipeline.
- Pioneered test strategies for the company's transition from monolithic systems to a microservices architecture.
- Worked in Agile teams to validate quality and delivery for major clients (MegaFon, Tele-2).

**Tech Stack:** Java, TestNG, Selenium, Docker, Postman, Oracle DB, Git, Jenkins.

**Team Lead & Embedded/Systems Developer** Earlier Experience (SANcastle, Lanoptics, <https://www.google.com/search?q=MeetU.com>) | 1996 – 2004 (Israel)

- Led development of Windows NT firewall drivers and low-level real-time embedded systems.
- Gained deep systems-level experience in C/C++ and network protocol performance optimization.

**Tech Stack:** C/C++, Windows DDK/SDK, MS Visual Studio, Embedded Systems.

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## Education

**M.S. in Computer Science** (Diploma with Distinctions) Kharkiv National University of Radioelectronics

Fluent in English and Hebrew; native proficiency in Russian.