ALEXANDER KAMINSKY

Software Engineer · Backend · QA Automation · DevOps

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PROFESSIONAL SUMMARY

Junior Software Engineer with hands-on experience in backend development, QA automation, and DevOps. Skilled in Java/Kotlin (Spring Boot), microservices, REST APIs, CI/CD, and Linux-based environments. Strong background in embedded systems (ESP32, Raspberry Pi) and mission-critical electronics from IDF Air Force service. Passionate about building reliable systems, improving automation, and contributing to high-impact engineering teams.

CORE SKILLS

Programming: Java, Kotlin, Python, C, C++, SQL

Backend: Spring Boot (MVC, WebFlux, Data JPA, Security), Microservices, Thymeleaf, OpenAPI

QA & Testing: Selenium WebDriver, REST-Assured, JUnit, TestNG, Postman, Functional/Regression Testing

DevOps: Docker, CI/CD pipelines (GitHub/Bitbucket/Jenkins), Linux, Maven, Git

Databases: PostgreSQL, MySQL, Redis, H2

Cloud: AWS, Google Cloud Platform (deployment & hosting)

Other: Spring AI, GraalVM, Networking fundamentals

Methodologies: Agile, Scrum

PROFESSIONAL EXPERIENCE

Freelance Software Developer · 2023–2025

• Developed backend APIs and microservices using Java/Kotlin + Spring Boot.

• Built automated QA suites (REST-Assured, Selenium), reducing manual test time by approximately 40%.

• Delivered multiple MVPs end-to-end, including backend architecture, testing, and deployment.

• Implemented CI/CD pipelines and containerized applications with Docker.

• Collaborated directly with clients; clarified requirements, deployed updates, and monitored production behavior.

Network & Infrastructure Technician — Weizmann Institute of Science · 2020–2021

• Installed and maintained structured cabling, network hardware, and workstation connectivity.

• Diagnosed and resolved network faults using physical and logical troubleshooting tools.

• Worked with switches, routers, and VLAN configurations in secure environments.

Radar Systems Technician — IDF Air Force · 2017–2020

• Maintained and repaired mission-critical radar systems across multiple airbases.

• Performed diagnostics on complex electronic subsystems under strict operational constraints.

• Authored troubleshooting documentation and trained new technicians.

• Operated under high-level security clearance in sensitive environments.

PROJECTS

Smart Parking IoT System (Afeka Final Project)

Tech: ESP32, Raspberry Pi, Spring Boot (Kotlin/Java), PostgreSQL, Redis, Docker

• Developed an IoT-based parking management system combining embedded hardware and backend services.

• Implemented REST APIs, microservices, caching, and real-time communication with edge devices.

• Built backend logic for parking spot detection, reservations, and system monitoring.

• Integrated sensor-based hardware prototypes with the backend for a functional MVP.

Embedded & Electronics Projects

• Designed ESP32/Arduino systems using sensors (PIR, ultrasonic), displays, LEDs, and wireless modules.

• Performed soldering, electronics assembly, and firmware programming for custom prototypes.

• Implemented sensor polling, display logic, and simple automation workflows.

Selected Software Projects (GitHub)

REST APIs · QA automation suites · Dockerized applications · Linux utilities

GitHub: github.com/Alexander-Kaminsky

EDUCATION

B.Sc., Software Engineering — Afeka College of Engineering, Tel Aviv

Specialization: Software Technology & Information Systems

Practical Electronics Engineer — IAF Technological College, Tel Aviv

LANGUAGES

English — Fluent · Hebrew — Fluent · Russian — Fluent · Ukrainian — Intermediate

MILITARY SERVICE

IDF Air Force — Radar Systems Technician (2017–2020)

High security clearance · Mission-critical systems · Technical training and documentation