

# EREZ KALIFA

## Automation & QA Engineer

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Automation Engineer with a B.Sc. in Computer Science and practical experience in building scalable web systems, integrating APIs, and deploying cloud-based applications. Strong background in debugging complex React applications and providing system-level solutions in production environments.

### Core Competencies

Python | Pytest | Selenium WebDriver | REST API Testing (requests, Postman) | SQL | Docker | Jenkins CI/CD | Test Automation Frameworks | Debugging complex systems | Agile methodology | Git | Fast learner | Strong team player

## TECHNICAL PROJECTS

### *TrackIt - Job Application Manager* [GitHub](#)

*Full Stack App development*

- Designed and implemented a **CRUD** web app (React + TypeScript front-end, FastAPI + Python back-end) storing structured data in PostgreSQL.
- Added **UI smoke tests** with Selenium and **API validation** scripts with requests to ensure data integrity across deployments.
- Containerized stack with **Docker Compose**; deployed preview environments on Railway for every pull-request.

### *Automation Project – Automation for an Online Booking Platform*

- Built a hybrid UI + API automation framework (Java + Selenium, Python scripts for REST calls) following STP/STD methodology.
- Wrote and parameterized test cases covering booking flow, cancellations, and refund APIs; integrated suite into Jenkins nightly pipeline.
- Generated Allure HTML reports and configured Slack notifications for failed builds to shorten regression feedback.

## EDUCATION AND CREDENTIALS

### **B.Sc. In Computer Science and Mathematics**

*Hadassah Academic College, Jerusalem*

*Graduated: Sept 2024*

## PROFESSIONAL EXPERIENCE

### **Supreme Court of Israel**

*Software Support Specialist*

*Jan 2020 – Dec 2023*

- Provided advanced debugging and root-cause analysis for complex React-based systems in production.
- Worked closely with system architects to trace data flows, component hierarchies, and API interactions across multiple layers.
- Proposed actionable solutions and alternative architectural strategies to address system-level issues.
- Supported large-scale, real-time systems including image processing, video analysis, and internal IT platforms.

## ADDITIONAL INFORMATION

- **Certifications**
  - **Automated Testing with Python & Pytest – Full bootcamp**, Udemy | 2025
- ✓ Native Hebrew, fluent English
- ✓ Quick self-learner; regularly contribute to personal GitHub projects to refine testing skills.