

# Elad Kapuza

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## SUMMARY

Automation Engineer with 6 years of experience in developing automation infrastructure and 3 years in developing Web and REST API applications

## EXPERIENCE

### PTC | AUTOMATION ENGINEER & WEB DEVELOPER

2021 - Present | Haifa, Israel

- Maintain and support a large scale of servers (>400) destined for regression test system servicing hundreds of PTC developers
- Planned and developed RegDB web application supporting hundreds of developers
- Planned and developed automatic scanning System for scanning products and report vulnerabilities to product owners
- Planned and developed automatic infrastructure tool resolving server problems with 84% accuracy
- Innovated, planned and developed internal search engine using Elasticsearch serving hundreds of PTC users
- Innovated, planned and developed monitoring system using Microsoft-Teams for alerts and Grafana for dashboards

### LUMENIS | AUTOMATION ENGINEER

2019 - 2020 | Yokneam, Israel

- Planned and developed 5 automation applications in Python for testing 4 healthcare systems
- Improved testing process, achieving 80% reduction in testing time

### ELBIT SYSTEMS | AUTOMATION ENGINEER

2018 - 2019 | Haifa, Israel

- Developed automation infrastructure in C# and Python for testing real-time embedded system

### CRONUS | R&D SOFTWARE ENGINEER

2017 - 2018 | Haifa, Israel

- Developed automation tool to collect vulnerabilities and updating database of main product - Cyber scanner

## EDUCATION

### TECHNION, HAIFA

BACHELOR IN COMPUTER SCIENCE & INFORMATION SYSTEMS

March 2017 | Haifa, Israel

Graduated with honors (GPA 80)

### ORT BIALIK COLLEGE

PRACTICAL SOFTWARE ENGINEERING DIPLOMA

May 2008 | Kiryat Bialik, Israel

Graduated with excellence (GPA 91)

## FINAL PROJECT

### FAULT MANAGEMENT PACKET

COMPRESSION | MARVELL TECHNOLOGY

GROUP LTD

Oct 2014

- Implemented a simple hardware-friendly delta encoding algorithm allowing up-to 2.6 compression ratio
- Published the paper "FM-Delta: Fault Management Packet Compression" (approved by IEEE)
- Presented the project poster at IFIP/IEEE IM 2017 international symposium at Lisbon, Portugal
- GitHub Link

## PUBLICATIONS

### FM-DELTA: FAULT MANAGEMENT PACKET

COMPRESSION

July 2017 | Approved by IEEE

[Link to paper](#)

## PERSONAL PROJECTS

See my projects here:

<http://www.eladkapuza.com/projects.html>

**SORTING VISUALIZATION** [GitHub Link](#)

**PATHFINDING VISUALIZATION** [GitHub Link](#)

**MINES SWEEPER** [GitHub Link](#)

**PACMAN** [GitHub Link](#)

## SKILLS

### TECHNICAL SKILLS

Proficient with:

Python • Java Spring • Jenkins CI/CD • Git • GitLab CI/CD • Docker • Angular • MongoDB • PostgreSQL • Elasticsearch • Linux • Zabbix

Familiar with:

C • C++ • C#

### SOFT SKILLS

Great Communication (Hebrew & English)

Great teamwork • Innovative • Agile • Problem-solving