

# Elad Kapuza

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## SUMMARY

Experienced 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

2020 - Present | Haifa, Israel

- Responsible for RegDB Web application supporting hundreds of Creo developers
- Designed, developed and responsible for Automatic Scanning System for scanning PTC products and report vulnerabilities to product owners
- Designed and developed automatic infrastructure tool resolving Zabbix problems in Supermicro blade systems and other hosts
- Innovated, designed and developed internal search engine using Elasticsearch serving hundreds of PTC users
- Innovated, designed and developed monitoring system including alert notifications via Microsoft-Teams
- Experience with Java Spring, Python, OOP, Jenkins CI/CD, GitLab CI/CD, Docker, Angular, MongoDB, PostgreSQL, Elasticsearch, Linux

### 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 PROJECT

### SORTING VISUALIZATION | JS APP

- Developed JavaScript application for visualizing sorting algorithms
- Implemented 4 algorithms: bubble-sort, merge-sort, quick-sort and heap-sort
- GitHub Link
- App Link

## SKILLS

### TECHNICAL SKILLS

Proficient with:

Python • Java Spring • Angular • Jenkins CI/CD • Docker • Networking • GitLab • Linux • Bash • MongoDB • Elasticsearch • C#

Familiar with:

C • C++

### SOFT SKILLS

Great Communication (Hebrew & English)

Great teamwork • Innovative • Agile • Problem-solving