elad.g.sofer@gmail.com | **+972-52-4783915**

Elad Sofer

Year of birth: 1994 | Kadima Zoran/Be'er Sheva, Israel.

Education
- 8200 Alumni – Signals Intelligence (SIGINT) Systems Technician Course graduate
- 3'rd year Computers' Engineering BGU Student
- Full Bagrut diploma with Honors, 5 units in Computer Science, Mathematics, English - "Wizo Hadassim" High School

Courses & Training

Signals Intelligence (SIGINT) Systems Technician Course
- Basic System & LAN, RF, Transmission Protocols (SDH, PDH), identifying malfunctions in complex system architectures.

Local Area Network Course (1 month)
- Communication introduction, Layer 1 (Digital transmission), Network topologies, TCP/IP Model, Network administration, Cisco equipment configuration.

Linux Course (3 weeks)
- System Architecture, RPM, GNU and Unix Commands Devices, Linux file systems, Shell Scripting, UI & Desktop, Network Configuration, GIT.

Professional Experience - Software

07/2019 - 10/2019 – AllCloud Technologies - Python Developer Contractor.

- 3 months semester break contract - Developing a delivery system in an AWS cloud environment.
  The development included usage with various AWS platforms and services such as: S3, Jupyter Notebook, Step Function, EC2, Lambda Function, APIGateway, DynamoDB, NeptuneDB.

09/2017 - 05/2018 - Kytera Technologies - Software Engineer - Python & NodeJS Developer.

- Developing a system which interfacing an emergency call center via SOAP API.
  The system produces SMS & Calls via Interfacing a Quectel EC25 GSM module via Python.

- Responsible for developing a NodeJS alerts' server upon a Raspberry Pi 3 Linux environment. The server's roles are - executing and streaming the executions' output, alerts' handling & action, and event triggering via REST API.

01/2016 - 09/2017- Primary Data - Python Automation & Infrastructure Engineer.

Develop an Automation Infrastructure which interface an innovative product in the Storage Virtualization field.

- The Infrastructure grants the automation engineer an environment for writing the product's test scripts. Wide use with: Pytest, Jenkins API, Swagger API, InfluxDB, requests (REST), pyvmomi, paramiko, JunitXML, SMTP, Jira API, Flask, Foreman API, Stash API, JIRA API, RPC, greenlet, Multithreading, supervisor API, psutill, Jenkins administration, git Version Control and shell scripts.

- Specialized in developing as well as maintaining and resolving all the product's Automation Infrastructure issues. Leading and developing from scratch a new CI Infrastructure in order to adapt the company's new requirements. End-to-end project responsibility from initial concept to a working system.

09/2014 – 01/2016 – IDF - Unit 8200 - Python & C# Developer.

Applicative monitoring of communication equipment and systems

- Systems which interface with communication equipment, gather information and notify exceptions.
  C# Development. Advanced knowledge in RS232 protocol. Wide use with .Net SerialPort Library.
  MS Access, Win-Forms, TCP/UDP, Regular Expressions, Multithreading, Client/Server, Serialization.
  End-to-end project responsibility from initial concept to working system (including: Detail Design, implementation and maintenance)

- System which is designated to gather information from SIGINT Devices , including insertion into a database.
  Python development. Interfacing with WMI / Performance Counters, Regular Expressions, TCP/UDP, One Way Link, SNMP, JSON Parsing, Multiprocessing, XML, SQLServer.

Professional Experience - Hardware

12/2012 – 09/2014 IDF Unit 8200 - Signal Intelligence Technician

Detection and troubleshooting of malfunctions in various, complex systems

RF - Calculating and constructing RF chains, including use with electrical equipment. Modem configuration, knowledge in digital modulations and A2D, Framing processes.

LAN – WireShark analysis , advanced knowledge in communication protocols such as: ICMP, RIP, OSPF, CDP, STP, VTP, ARP and TCP/IP Model. Network administration, maintenance of communication equipment and CISCO configuration abilities.

IT and System - Specialized in maintaining servers and clients as well as resolving all service related problems. Experience with: Linux, Active Directory, MS Exchange Server, System Administration, Virtualization. Troubleshooting computer malfunctions. Experience with: BIOS, Batch scripts, hardware issues.

Transmission - Familiar with transmission equipment - BG & XDM, PDH & SDH, GSM protocol.

Frameworks & Programming Languages

- C#, Python, NodeJS, JavaScript, HTML
- Databases – SQLServer, MS Access, InfluxDB, MongoDB, DynamoDB, NeptuneDB
- Operating Systems - Linux, Windows, MacOS

Languages

Hebrew – native. English – fluent.

Personalities & Skills

- Fast and independent learner, insatiable curiosity to learn more about technology, autodidact

- Great social skills, and a team-player.

- Part-time guitar teacher and surfer.