Shlomi Domnenko Software Engineer

Schedule a meeting

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Software and cyber engineer with 3 years of experience. I love solving challenging problems and I know I can handle pressure. I'm looking for great people to work with and brilliant ideas to implement. One of my greatest accomplishments is 'learn how to learn'.

PROFESSIONAL EXPERIENCE

Meta, *Production Engineer* 07/2022 – 10/2022 | Tel Aviv

Facebook Lite Group, Service Infrastructure Team

- Responsible for scalable, production systems, with more than half-billion users across 14 regions, writing critical backend infrastructure code
- Optimized backend architecture by leading the migration of services from Apache Mina to Netty framework in Java, resulting in a 30% decrease in network latency
- Worked on internal protocol called Snaptu, learned about load-balancing and scalable systems, Java heap optimization, and successfully used Netty multiplexing pipelines
- Worked on monolithic project using Mercurial SVC, learned to search for internal solutions, optimize and test code, fix large merge conflicts & use Tupperware (in-house alternative to Kubernetes)

Bank Hapoalim, *Backend Engineer* 01/2022 – 07/2022 | Tel-Aviv

Backend Java Developer, responsible developing the business website

- Developed in RESTful environment and was responsible for API changes using Java Springboot, removing legacy API safely
- Managed to communicate clearly between front-end team, mainframe team, QA team, and product manager. Organized issues, solutions, feedback, ideas and progress. Used Splunk & Confluence.
- Fixed end-user issues and delivered results as per schedule. Received positive feedback from customers

Check Point, *Security Analyst* 04/2020 – 01/2022 | Tel-Aviv

Threat Response Core Group, Research & Development

- Threat analysis, vulnerability analysis, security solutions in CheckPoint gateway & firewall (IPS/IDS), traffic & network analysis, cyber tools (Metasploit, Wireshark, OWASP, Snort & YARA rules).
- Raised protection score from 82% to 94% for customers for selected CVEs, passing critical 'Security Effectiveness Test' by researching threats & adding new protections, later customer signed contract. Used paid premium tools: Trend Micro, TELUS, VirusTotal.
- Hands-on Gitlab CI/CD, deploying Jenkins jobs, deploying docker containers, VMs setup, networking protocols research, malware research, OSINT, incident report & threat hunting.
- Python automation that creates anti-bot protections. Used Jenkins, OracleSQL, docker on daily basis & analyzing Kibana customer's data with elastic search. Communicated with other companies for support with API (VirusTotal)

EDUCATION

Master of Science (M.Sc), Computer Science, *The Open University of Israel* 03/2020 – Today

Currently attending. GPA: 89

Bachelor of Science (B.Sc), Computer Science & Mathematics, *Ariel University* 03/2017 – 07/2020

Graduated. GPA: 82. Cyber Security Program

TECHNICAL SKILLS

Java | Python | C, C++ | JavaScript | TypeScript | Rust | SQL | Oracle SQL | MySQL | SQLite | Spring Boot | Flask, Django | Linux | Docker | Kubernetes | Jenkins | Jira | Confluence | Gitlab CI/CD | Metasploit | Wireshark | Burp Suite | TensorFlow, PyTorch, scikit-learn | Splunk

PROJECTS

nes-emulator, Emulator written in Java for the Nintendo Entertainment System that can play games

Emulated 6502 CPU architecture, and the 2C02 PPU (graphics processor) that can play NES games such as Super Mario Bros.

ocr-font-classifier-model, Machine learning model that predicts the types of text fonts in images. Accuracy: 96%.

Finds text in image, puts bounding box, predicts font of text in bounding box. Training used 1600 images. Written in Python using tensorflow.

e-xterm, Cross platform electron based SSH, WSL client with SFTP support, written in Electron, Typescript, Node.js

A client that supports SSH, SFTP, Telnet and more protocols with bookmarks and internal terminal, with drag-and-drop file transfer.

kaminsky-attack, A DNS cache poisoning with extremely high performance, written in pure C

Poisons the main DNS cache of nameserver that allows attacker to redirect all the victims to his evil website. Based on Black-Hat 2008 attack.

shlomios, A basic x86 operation system written from scratch

Written bootloader in assembly and the kernel in C++. Compatible with QEMU virtualization.