Matan Afriat

Software Developer with 5 years of experience in building large systems, backend and mobile applications

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SUMMARY

I am an experienced senior software developer at the IDF, with a proven track record of developing high-quality systems, applications and web applications.

EXPERIENCE

Senior Software Developer

IDF 📅 2023 - Present 📍 Tel-Aviv, Israel

- Re-designed and developed an android application with multiple features such as:
  * Sending/receiving encrypted messages with attachments.
  * Creating maps with markers and line paths using google maps API.
  * Capturing videos/images.
- Developed two android libraries which were widely used within my unit:
  * Telegram bot API for sending/receiving messages.
  * Remote application updater.
- Was the tech leader of a backend API with flask and MongoDB used to store large amounts of data with endpoints for modifying, adding, removing and filtering data using MongoDB aggregations and queries.
- Created an Apache NiFi system used to alert clients in multiple units by email if any important information was found using regex expressions.
- Utilized dockers and docker-compose to allow non-technological clients to easily mass produce and deploy in both online and offline environments.
- Technologies used: Android, ADB, Java, Python, MongoDB, Nginx, Git, Socket (TCP/IP) Programing, Linux, Windows, Bash, Apache NiFi.

Talent Acquisition Specialist

IDF 📅 2022 - 2023 📍 Tel-Aviv, Israel

- Led the talent acquisition procedure for Gamma software development courses in unit 81.
- Was in charge of interviewing, grading and selecting 115 out of 1000+ contenders.
- Developed an excel parser to re-organize contenders results and information in a readable html document, utilizing the opepyxl library in python.

Software Developer

IDF 📅 2019 - 2022 📍 Tel-Aviv, Israel

- Developed features in a large system that allows performing remote operations on virtual machines using Python.
- Re-designed and developed a system which enables users to write simple python tests on multiple virtual machines at a time.
- Created gitlab CI/CD routines for all systems in my team, utilizing pytest for system and unit testing.
- Developed a web based task scheduler for scheduling virtual machine tests using Django REST framework and AngularJS.
- Was in charge of designing and managing an internal staff training program for newly recruited software developers in our team.
- Blackbox research and network research utilizing wireshark, 010editor, process explorer and process monitor.
- Technologies used: Python, Django REST, AngularJS, Git, Virtualization, CI/CD, Powershell, Sysinternals, Windows, Linux.

EDUCATION

Highschool Education

Ort Givatram

📅 2012 - 2018

Cyber Program

Magshimim

📅 2016 - 2018

Gamma Program, IDF

Gefen Course

📅 03/2019 - 06/2019

TECH STACK

Python   Javascript   Java

Android   ADB   MongoDB   SQLite

Flask   FastAPI   Djago REST

AngularJS   SQL   NoSQL   Linux

Windows   CI/CD   Docker

Docker-compose   Git   Virtualization

VMware   Apache NiFi   Nginx

Self Learning   API Architecture

Networking   OOP   Powershell

Bash   Sysinternals   Wireshark

PASSIONS

🏃 Calisthenics

🎮 Gaming