

Pouria Kalantari

GOLANG DEVELOPER

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Summary

+3 years experience in Golang development. Capable in Linux and generally UNIX based systems. Interested in devising a better approach for challenging tasks, and learning new technologies and tools.

Work Experience

Graph inc - a cybersecurity company that offers an Advance Threat Detection system

Tehran, Iran

GOLANG SYSTEM DEVELOPER IN LINUX EDR TEAM

(2 yrs and 9 mos) Feb. 2021 - now

- Develop client side of EDR (Endpoint Detection and Response) with **Golang** for Linux operating systems and ensured deployment on over 2000 Linux systems, resulting in awarded client security and enhanced threat detection capabilities.
 - Established **gRPC** as the primary communication protocol between client and server, resulting in a 40% reduction in latency and an overall improvement in system performance.
 - Implement a log collector which gathers system logs (like **Audit** logs, **Fanotify** notifications) and sends to server.
 - Design an auto response mechanism that protects client against detected malware.
 - Developed and implemented a dual service solution for both **Systemd** and **SysVinit**.
 - Wrap product with **RPM** and **DEB** package which is compatible with CentOS, Red-hat, Ubuntu and Fedora distributions that covers 80% of market's customer systems.
 - Launch an updater service with Golang that updates automatically the package.
 - Enhanced the file processor module through the optimization of the Shannon algorithm, resulting in a notable 30% decrease in CPU utilization and accelerated accuracy in file entropy calculations for effective identification of obfuscated files.
- Restructured server side database using Golang's **Ent framework**, resulting in a 10% decrease in query execution benchmark time.
- Customized comprehensive unit tests for Golang packages, ensuring code quality and reducing bug count by 40%.
- Collaborated with stakeholders and business teams to understand customer requirements, resulting in redesign of features that increased customer satisfaction by 25%.

Sanjagh - an advertising network platform that connects advertisers with publishers

Tehran, Iran

GOLANG DEVELOPER

(5 mos) Feb. 2020 - Jul. 2020

- Launched a highly efficient URL Shortener project during internship at Sanjagh, reducing link generation time by 50% and improving overall website performance by optimizing URL redirects.
- Learned Producing APIs and writing **RESTful API** using **echo framework**.
- Created a cache service using Golang which caches response of another service. This cache improved response time up to 10 times faster.

Skills

Programming Languages

Skilled: Golang **Experienced:** Python, C

Linux Internals

System calls, logging systems (e.g. Syslog, Rsyslog), auditing system, package managers (RPM, DPKG)

DevOps

Docker (familiar with concepts)

Version Control System

GIT (GitHub, GitLab)

Database

SQLite, PostgreSQL, Redis

Other

gRPC, Bash, Jira

Languages

Work Proficiency: English

Native: Persian

Honors & Awards

DOMESTIC

2018 **Ranked in top 1% among 144,843 applicants**, Nationwide University Entrance Exam

Tehran, Iran

2017 **Bronze Prize**, National Mathematics Olympiad - Iran's National Elites Foundation

Tehran, Iran

Education

Amirkabir University of Technology

Tehran, Iran

B.C. IN COMPUTER ENGINEERING

Sep, 2018 - Present

- Thesis Subject:
 - Automatic Program Repair in Golang
 - Supervisor: Dr.Soleiman Fallah