

Pouria Kalantari

SOFTWARE ENGINEER

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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 Experiences

Digikala - an online store

Tehran, Iran

SOFTWARE ENGINEER

Mar. 2024 - present

- Developed and implemented features using **PHP**, enhancing application functionality.
- Utilized Object-Relational Mapping (**ORM**) tools to streamline database communication.
- Worked within a large corporate environment, collaborating across multiple teams to achieve project goals. Actively contributed to team projects, leveraging strong communication and teamwork skills to ensure successful task completion.

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

Tehran, Iran

GOLANG SYSTEM DEVELOPER IN LINUX EDR TEAM

Feb. 2021 - Mar. 2024

- Developed 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.
 - Implemented a log collector which gathers system logs (like **Audit** logs, **Fanotify** notifications) and sends to server.
 - Designed an auto response mechanism that protects client against detected malware.
 - Developed and implemented a dual service solution for both **Systemd** and **SysVinit**.
 - Wrap the product using **RPM** and **DEB** package manager which is compatible with CentOS, Red-hat, Ubuntu and Fedora distributions to facilitate initial installation and safe update.
 - Launched an updater service with Golang that updates automatically the package.
- 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.

Sanjagh - an advertising network platform that connects advertisers with publishers

Tehran, Iran

GOLANG DEVELOPER

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:** PHP, Python, C

Linux Internals

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

DevOps

Docker (familiar with concepts)

Database

MySQL, SQLite, PostgreSQL, Redis

Other

gRPC, Bash, Jira, Jenkins

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 – 2023

- Thesis Subject:
 - Automatic Repair of Golang Programs
 - Supervisor: Dr. Mehran Soleiman Fallah