

# Mohamed Karam Al-gamal


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Address: Cairo, Egypt

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Military: Completed the military service as an officer

## Contact

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## Summary & Accomplishments

I'm a DevOps Engineer specialized in tasks automation, CI/CD pipe-lining, software deployment, containerization, virtualization, Well-versed in development using python with 1-year of experience in linux administration, over 360 hours of upwork freelancing, 150+ clockify hours, more than 5 projects and seeking a DevOps position in a supportive environment where I can provide benefits of my knowledge and learn new technologies.

## Experience

Since December 2020 **Remote part-time System administrator in Egirna Technologies**

Role: freelancer

Responsibilities: Deployment of software applications like CATTR for time tracking , Dokuwiki for creating wikis, Passbolt for password management and Development of passeg password manager, configuration of ESXI server with OPNsense firewall

From December 2019 to June 2020 **Full time in Egirna Technologies** Sheikh Zaied

Role: System administrator

Responsibilities: Deploy, maintain, troubleshoot software systems on Ubuntu servers, configure firewall rules, deploy docker images and nginx web servers

From August 2018 to September 2018 **Cyber Security summer training in ITI Smart Village**

Intro to cyber security & windows server administration, Cisco networking devices, switching, routing, security concepts

## Education

November 2019 **Cyber Security internship in NTI Smart Village**

August 2019 **Bachelor's degree in Electronics Engineering** Faculty of electronic engineering (Computer Science & Engineering Department) Menofia University

*Grade: Good*

*Graduation project: Bracelet to monitor human viral functions*

## Extracurricular Activities

2016 **Organizer of The 7th control exhibition in FEE**

2015 **Team Leader in Robotics transporter competition FEE**

From 2014 to 2017 **Students' Union FEE** Improved my work efficiency

## Technical skills

**Automation Tooling** CI/CD Pipe-lining by Jenkins & IAAC using Ansible, Terraform and scripting using Bash, Groovy & Python

**Programming** "Python" for software development, task automation, API development, communication programming, "Flask" web development, "Groovy" and "Bash Scripting"

**Containerization & cloud hosting** Docker, Docker-compose, K8s, Digital Ocean, AWS and Linode

**Software deployment** NGINX, Apache, Nexus, PostgreSQL & Mongo-db, pgAdmin & Mongo-express, CATTR for time tracking , Dokuwiki for creating wikis, Passbolt for password management and Open bank project, a banking api

**Source Control** Git: github, gitlab and CodeCommit

**Build tools and package managers** Maven, Gradle, Nodejs, Npm, Yarn and CodeBuild build tools and their package managers and apt, pip, Docker Hub and Helm

**Freelancing** 360+ hrs on Upwork & 150+ hrs on Clockify

**Virtualization** VMware workstation, VMware ESXI, Virtualbox and Vagrant VM provisioning

**Security** Squid proxy, OPNsense firewall, Iptables rules, Local & LDAP authentication and Open-ssl for secured communication

**Penetration testing** Experienced with Metasploit

**Linux** Experienced with Debian based distributions like Ubuntu, Kali Linux and its tools for pen testing

**Cisco appliances and packet tracer** Experienced with network simulation, design and troubleshooting

## Language

**Mother-tongue** Arabic

**English** Good English speaker