

# Aghapy Michaël

Junior DevOps Engineer

## Education

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- **Faculty Of Engineering Alexandria University** Alexandria, Egypt  
*Bachelor of Computer and Communications* *Class 2021*

### Graduation Project : One the Ride , Grade : A+

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- **On the Ride(Video Streaming platform WEB 3.0):** Observed by : Dr.Mohamad Azab and Dr.Amr Mokhtar , in our project we showed that Blockchain is a viable solution to the issues The major challenge posed in video streaming ,Focused to Provide Video Streaming Platform as an Application to solve Fog Cloud Computing problems, numerous techniques on transmission feedback control, adaptive source encoding algorithm, efficient packetization, resource allocation, and error control coding have been proposed to improve the quality of video communication.

## Experiences

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- **DevOps Engineer at Andalusia Healthcare Business Solutions(Full-Time) (October 2021-Present) :**
  - Automating CI/CD across different OS Linux/Windows using TFS/Octopus/Jenkins.
  - Handling Backup and Restore Database issues
  - Creating TFS/Jenkins pipelines for deploying Dotnet, Python, Laravel and Vue.js artifacts from TFS/GitHub.
  - Integration CI/CD with SonarQube for Vulnerability Scanning .
- **Software Engineer at Egirna Technologies(Freelancer) (July 2021-October 2021) :**
  - Monitoring the releases using EC2 Analyzing test results on database impacts, errors or bugs, and usability, Deal with support tickets for bugs or related user issues.
  - Interacting with clients to understand product requirements.
  - handled a MLOps CI/CD Flask Application working for delivering complete deploy job using Github Actions and CodeDeploy
  - Reviewing software requirements and preparing test scenarios.
- **Manual Tester GlassWall Solutions United Kingdom (Freelancer) (july2021-August 2021) :**
  - Monitoring the releases using EC2 Analyzing test results on database impacts, errors or bugs, and usability, Deal with support Documenting bugs or related user issues.
  - Recording Releases and set Testing Scenario Strategies
- **DevOps Former Internship at Egirna Technologies (April2021-June2021) :** Egirna Technologies Limited is an information security solutions and services provider based in Egypt with global reach.Worked Proxies : Squid , Nginx.
- **Machine Learning Former Internship at UmedMi (August 2020 – October 2020) :** Telemedicine platform that empowers patients and fill the credibility gap providing end-to-end tele health solutions,Worked on Machine learning tasks Data Engineering.

## Software Skills

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- Paradigms** : Object Oriented Programming , Algorithms Data structures, Agile,Database Management ,CI/CD - **Artificial intelligence**: Machine learning Algorithms , Image Processing .
- **Development**: ReactJs(Front-End),NodeJS(Back-End) .
- **Containers**: Docker - **Virtualization**: VMware ESXi ,Oracle Virtual Box
- **Container-orchestration** : Kubernetes , Docker-Compose
- **Cloud Services**: AWS(EC2,Cloud-Watch,EBS,S3,ELB)
- Testing** : Black Box Testing(Spread sheet)/White Testing (PyTest) -**Scripting**: Python/BashShell
- **OS**: Windows,Linux:Kali,Ubuntu - **API**: Swagger/Postman
- **Source Control**: TFS/Git -**Pipeline**: Github Actions,jenkins
- **Visualization**: Kibana - **Proxy services**: NGINX/Squid/RabbitMQ
- **Vulnerability Scanning Tools**: SonarQube - **Tools**: Jira,Visual Studio Code. - **Technical Writing**:Documentation/Content Writer

## ACADEMIC COURSES

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- \* Object Oriented Programming, Algorithms Data structures  
Operating systems, Computer and Networks , Computer and Networks Security, Distributed systems, Database Management

## Activities

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Head of Public relations At ACM Alexandria Student Chapter  
Admin System Assistant ECPC Egyptian Collegiate Programming Contest  
Admin System Assistant ACPC African and Arab Collegiate Programming Contest  
Machine Learning Instructor at HackerRank Campus Club, AUFS  
Volunteer in IrisX2020 UI/UX