

## SUMMARY

---

Experienced in creating and delivering highly available fault tolerant infrastructure that supports hundreds of thousands of users, has millions of records in the cloud and serves tens of millions of unique requests a day. As part of a high performing team, my goals are to contribute to the growth and success of our customers and partners through technical excellence, continuous improvement and best practices. Also, I have been an instructor in system and network administration for more than three years

## EDUCATION

---

- |      |  |
|------|--|
| 2021 | <b>Master's Degree in Computer Science, Higher School of Computer Science, SBA – Algeria</b><br><i>(Supervised by Pr. Rahmoun Abdellatif)</i>  |
| 2021 | <b>Engineering Degree (Computer Science), Higher School of Computer Science , SBA – Algeria</b><br><i>(Supervised by Pr. Rahmoun Abdellatif), System Engineering internship (6 months)</i><br>LABRI Research Center <u>ESI-SBA</u> & URD-SE internship – Sidi Bel Abbès, Algeria |

## CERTIFICATIONS

---

- |          |  |
|----------|--|
| JUL 2019 | <b>RedHat Certified System Administrator</b><br>RHCSA                    |
| OCT 2019 | <b>Juniper Networks Certified Associate (Cloud)</b><br>JNCA              |
| FEB 2020 | <b>Cisco Certified Network Associate (Routing and Switching)</b><br>CCNA |

## WORK EXPERIENCE & PROJECTS

---

### FEB 2022 – PRESENT **System Engineer – (Full-time)**

Umaitek– Algiers, Algeria

#### Responsibilities

- Contribute to the integration projects of the various IT solutions of the company UMAITEK.
- Managing, provisioning and working with different virtual solutions (Proxmox, KVM ...etc), and Cloud environments (OpenStack).
- Maintain and configure zimbra's solutions.
- Work with product operations team to resolve trouble tickets, developing and running scripts, and troubleshooting services in a hosted environment.
- Focus on project work to implement new systems and upgrade/improve upon existing infrastructure.
- Proactively ensure the highest levels of systems and infrastructure availability.
- Maintain security, backup, and redundancy strategies.
- Install and configure multi opensource of storage solutions: GlusterFS, Ceph, NFS, iSCSI.
- Install and configure multi-vendor of Firewalls Like Sophos & Fortigate.
- Perform application penetration tests across public and private networks.
- Technical incident management and follow-up with our customers.

MAR – JUNE 2022

## DevOps Engineer (Part-time)

*KeenEye , Sri Lanka*

### Responsibilities

- Implementing various development, testing, automation tools, and IT infrastructure.
- Setting up tools and required infrastructure.
- Defining and setting development, test, release, update, and support processes for DevOps operations.
- Build continuous integration, continuous development, and constant deployment pipelines (CI/CD Pipeline).

MAR – SEP 2021

## System Engineering internship (6 months)

*LABRI Research Center ESI-SBA & URD-SE internship – Sidi Bel Abbès, Algeria*

### Responsibilities

- As a System Engineer, I developed and deployed a completely automated multi-layer infrastructure for detecting suspicious behavior in real time using Deep Learning.
- I was in charge of designing the project infrastructure, after attending multiple review session with the client.
- For project infrastructure, we used the Edge, Fog, and Cloud computing paradigms.
- Worked in different phases of DevOps such as Design, Code, Build, Test and Monitor.
- Developed automation frameworks for a variety of infrastructure components.
- Troubleshoot, and maintain the main infrastructure throughout the project period.

### Tools & Technologies

Python (Bash for scripting), Kafka, kickstart, KVM, Docker, Kubernetes, Git, GitHub, Vagrant, Ansible, Packer, Pacemaker, HAProxy, Keepalived, GlusterFS, NFS-Ganesha, Zabbix..

## SKILLS

---

PROGRAMMING      Python(numpy, manim, matplotlib, scripting...), Bash/shell, R, C, Java, GNU Octave, Elisp.

OS                      **Linux Servers** (RedHat, CentOS, Ubuntu, Debian), **BSD servers, Windows...**

SYS-ADMIN            **High Availability** (HAProxy, Keepalived, Pacemaker)  
**Security** (Standards Linux Permissions, ACL, SELinux)  
**Troubelshooting**  
**Network Services** (DNS, DHCP, NFS, SMB, iSCSI)  
**Storage** (GlusterFS, NFS-Ganesha)  
**Monitoring** (Zabbix, Grafana, Prometheus)  
**Authentication** (LDAP, Kerberos)  
**Emails and Collaborations Solutions** (Zimbra, Postfix...)

DEVOPS                **Anisble, Kubernetes, Docker, Vagrant, Git, GitHub, GitHub-Actions, Packer**

VIRTUALIZATION      **KVM & QEMU, VirtualBox, Proxmox**

CLOUD                 **AWS, OpenStack**

NETWORKING          **Cisco IOS, Routing & Switching Protocols, GNS3**

DATABASES            **MySQL, MariaDB**

GRAPHIC DESIGN      **Inkscape, Gimp, Photoshop, Blender**

## PROFESSIONAL COURSES

---

- (CCNP Routing/Switching) Implementing Cisco IP Routing/Switching (ICTTowers, Sidi bel Abess)
- Cisco Networking & Security Fundamentals (in ICTTowers, Sidi bel Abess)
- Implementing Cisco IOS Network Security (IINS-CCNA Security) (in ICTTowers, Sidi bel Abess)

## PRESENTATIONS, COURSES, PUBLIC CODE & OTHER

---

### COURSES

I Taught 80+ students on the basic of UNIX/Linux, System Administration, Network Administration, RHCSA & RHCE for 3 years

2018–2019	<b>RHCSA Courses– “RedHat Certified System Administrator”</b> <i>Higher School of of Computer Science – <a href="#">ESI-SBA</a></i>
2019–2020	<b>RHCSA Courses– “RedHat Certified System Administrator”</b> <i>Higher School of of Computer Science – <a href="#">ESI-SBA</a> – Ingeniums Club</i>
2020–2021	<b>RedHat Special Course(AlphaBit’s Cells Program)– “became a Linux expert”</b> <i>Higher School of of Computer Science – <a href="#">ESI-SBA</a> – AlphaBit Club</i>

### PRESENTATIONS

2015	<b>Design – “Your first steps into the world of Design”</b> <i>Yahiya Fares University(Medea)</i>
2017	<b>Design – “Introduction for Design World”</b> <i>Higher School of of Computer Science – <a href="#">ESI-SBA</a></i>
2017	<b>“Introduction for Gnu-Linux” –Basics of system installation &amp; daily handling of it</b> 🌀 <i>Yahiya Fares University(Medea)</i>
2018	<b>“Linux Installation Party”</b> <i>Yahiya Fares University(Medea)</i>

## AWARDS

---

- 🏆 **1st Place** (nationally) in Graphic Design category Festival “Bahjah”
- 🏆 MLH orgnized by Github & Microsoft ESI-SBA “2019”
- 🏆 **6th/30 Place** Coding Challenge ESI-SBA “2019”

## LANGUAGES

---

Arabic(Native Language), French, English

## HOBBIES

---

Philosophy (especially philosophy of science, epistemology and philosophy of religion), human evolution and prehistory, free (i.e. libre) software, survivalism, medieval thought.