ZAKARIA KEBAIRIA

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EDUCATION

2021	**Master's Degree in Computer Science, Higher School of Computer Science, SBA – Algeria**
	(Supervised by Pr. Rahmoun Abdellatif)
2021	**Engineering Degree (Computer Science), Higher School of Computer Science , SBA – Algeria**
	(Supervised by Pr. Rahmoun Abdellatif)
	LABRI Research Center ESI-SBA & URD-SE internship – Sidi Bel Abbès, Algeria

CERTIFICATIONS

JUL 2019	**RedHat Certified System Administrator** – *RHCSA*
OCT 2019	**Juniper Networks Certified Associate (Cloud)** – *JNCA*
FEB 2020	**Cisco Certified Network Associate (Routing and Switching)** – *CCNA*

WORK EXPERIENCE

NOV 2022 – PRESENT   **DevOps/Telco Engineer – (Full-time)**

Lablabee– Oran, Algeria

• Contribute to the integration projects of the various IT solutions of the company UMAITEK.
• Install and configure new systems, upgrade/improve upon existing infrastructure.
• Install, configure and Manage different virtual solutions (Proxmox, KVM ...etc), cloud environments (OpenStack), containerized based infrastructures (Kubernetes, Docker, Podman, LXD), storage solutions (GlusterFS, Ceph, NFS, iSCSI)
• Maintain and configure zimbra's solutions.
• Provide architectural and practical guidance to software development to improve resiliency, efficiency, performance and costs.
• Work with product operations team to resolve trouble tickets, developing and running scripts and troubleshooting services in a hosted environment.

FEB – OCT 2022   **System Engineer – (Full-time)**

Umaitek– Algiers, Algeria

• Contribute to the integration projects of the various IT solutions of the company UMAITEK.
• Install and configure new systems, upgrade/improve upon existing infrastructure.
• Install, configure and Manage different virtual solutions (Proxmox, KVM ...etc), Cloud environments (OpenStack), containerized based infrastructures (Kubernetes, Docker, Podman, LXD), storage solutions (GlusterFS, Ceph, NFS, iSCSI)
• Maintain and configure zimbra's solutions.
• Provide architectural and practical guidance to software development to improve resiliency, efficiency, performance, and costs.
• Work with product operations team to resolve trouble tickets, developing and running scripts, and troubleshooting services in a hosted environment.
• Maintain security, backup, and redundancy strategies.
• Technical incident management and follow-up with our customers.
• Communication and reporting of incidents at internal level.

| Mar – Sep 2021 | **System Engineering internship (6 months)** |
| | *LABRI Research Center* [ESI-SBA](#) *& URD-SE internship – Sidi Bel Abbès, Algeria* |

• As a System Engineer, I developed and deployed a completely automated multi-layer infrastructure for detecting suspicious behavior in real time using Deep Learining.
• 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.

Skills

- **Programming**: Python, Bash/shell, C, Java, Elisp

- **OS**: Linux(RedHat, Ubuntu, Debian, Arch), BSD servers

- **System Administration**: *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), *Authentication* (LDAP), *Emails and Collaborations Solutions* (Zimbra, Postfix...),

- **Virtualization**: KVM & QEMU, Proxmox, VirtualBox

- **DevOps**: Ansible, Kubernetes, Podman, Docker, LXD, Vagrant, Git, GitHub, GitHub-Actions

- **Networking**: Cisco IOS, Routing & Switching Protocols, GNS3

- **Tools**: Vim, Tmux, Emacs, Zsh

- **Graphic Design**: Inkscape, Gimp, Photoshop, Blender

- **Languages**: Arabic(Native Language), French, English

Courses & Presentations

Courses

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

2018–2019	Became a RedHat Certified System Administrator – *AlphaBit Club (ESI-SBA)*
2019–2020	Became a RedHat Certified System Administrator – *Ingeniums Club (ESI-SBA)*
2020–2021	RedHat Special Course(AlphaBit's Cells Program) – "became a Linux expert" – *AlphaBit Club*

Presentations

2018	Linux Installation Party – *Yahiya Fares University(Medea)*
2017	Introduction for Gnu/Linux ⦿ – *Yahiya Fares University(Medea)*
2017	Design – Introduction for Design World – *Higher School of of Computer Science – [ESI-SBA](#)*
2015	Design – Your first steps into the world of Design – *Yahiya Fares University(Medea)*

Personal Projects

• [ZARS](#): An auto-rice script using Ansible & shell-script for my dwm, st and all of my configurations and dotfiles.
• [org-master](#): My org-mode/Emacs configuration for my master thesis
• [vagrant-cluster](#): A project for creating a cluster of Virtual Machines with Vagrant and KVM using a simple configuration file

Awards

• **1st Place** (nationally) in Graphic Design category *Festival "Bahjah"* • **5th/30 Place** MLH orgnized by Github & Microsoft *ESI-SBA "2019"* • **6th/30 Place** Coding Challenge *ESI-SBA "2019"*