

# ZAKARIA KEBAIRIA

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## EDUCATION

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- 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

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- 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 & Projects NOV 2022 – PRESENT **DevOps/Telco Engineer – (Full-time)**  
[Lablabee](#)– Oran, Algeria

- Contribute to the integration projects of the various IT solutions of the company UMA
- Install and configure new systems, upgrade/improve upon existing infrastructure.
- Install, configure and Manage different virtual solutions (Proxmox, KVM ...etc), clo (OpenStack), containerized based infrastructures (Kubernetes, Docker, Podman, LXD), (GlusterFS, Ceph, NFS, iSCSI)
- Maintain and configure zimbra's solutions.
- Provide architectural and practical guidance to software development to improve res performance and costs.
- Work with product operations team to resolve trouble tickets, developing and ru 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.

- 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.

## SKILLS

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- **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), *Troubleshooting*, *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

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### 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 – <i>AlphaBit Club</i> (ESI-SBA)
2019–2020	Became a RedHat Certified System Administrator – <i>Ingeniums Club</i> (ESI-SBA)
2020–2021	RedHat Special Course(AlphaBit's Cells Program) – “became a Linux expert” – <i>AlphaBit Club</i>

### PRESENTATIONS

2018	Linux Installation Party – <i>Yahiya Fares University(Medea)</i>
2017	Introduction for Gnu/Linux 🐧 – <i>Yahiya Fares University(Medea)</i>
2017	Design – Introduction for Design World – <i>Higher School of of Computer Science</i> – <a href="#">ESI-SBA</a>
2015	Design – Your first steps into the world of Design – <i>Yahiya Fares University(Medea)</i>

## PERSONAL PROJECTS

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- [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

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- **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”*