Mohamed Zaki

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Qualifications

SRE Skills :

Containers.   Docker/Kubernetes

GitOps.   Flux , Rancher Fleet

CI/CD.   Jenkins, Gitlab , Github action & TeamCity

Automation.   Ansible & TerraForm & Cloudformation

Clouds   AWS,, GKE and Azure

Monitoring   Nagios , Prometheus & Grafana ELK Stack & Logstash

Development   Shellscript & Nodejs , Python

Kubernetes Expertise

Development   Shellscript & Nodejs , Python

Development   Shellscript & Nodejs , Python

Development   Shellscript & Nodejs , Python

- **Certified Kubernetes Administrator**

- **Service mesh** Istio Traefik

- **Helm Kubernetes Package Manager**

- **Storage**Longhorn & Ceph

- **Cluster GFS2 for Red Hat Enterprise Linux**

Cloud Computing

* AWS Certified DevOps Engineer Professional
* Red Hat Enterprise Linux OpenStack Platform
* Linux KVM & Ovirt /OpenStack
* Ceph Storage

Security Enhanced Linux (SELinux Certified Admin)

* Writing & Applying policy for services
* Build custom security map in the system
* Manage users,services & ports
* Manage system Types , Roles

Web Servers :

* Web Servers (Apache - dansguardian - IIS):
* Database Servers (MySQL - Mongodb - MSSSQL Server 2008r2):
* DNS Servers (Bind):
* FTP Servers (vsftpd - proftpd - pure-ftpd):
* Email Servers (Exim - Postfix - Sendmail):
* POP3/IMAP Servers (Courier IMAP and POP3 - imaps):
* MS Windows (Windows Server 2003 - Windows Server 2012)

Linux Skills :

* Automatic installations (kickstart)
* Storage management (GlusterFS - LVM - ISCSI - NFS)
* Cluster GFS2 for Red Hat Enterprise Linux 6
* Cluster Suite for Red Hat Enterprise Linux 6
* Centralized User Authentications (Kerberos - NIS - Autofs)
* Advanced Intrusion Detection Environment AIDE
* GPG Encryption GunPG
* Directory Services OpenLADP
* IPtables Firewall Expert

Certificates

IBM Blockchain Essentials V2

Amazon Web Services DevOps Engineer - Professional

Certified Terraform Associate

Certified Kubernetes Administrator

Red Hat Certified Architect Level IV

ITIL® Foundation

Work experience

CyberCube Analytics   July 2021 — Present
Sr. Site Reliability Engineer

* Managing AWS infrastructure based on Lambada , API gateway batch , RDS

* Support dev team in day 2 day issues

* Create , maintain Jenkins pipelines

* Manage k8s cluster and creating helm charts

EPAM   November 2019 — June 2021

Senior DevOps Engineer

* Analyze current technology utilized within the company and develop steps and processes to improve and expand upon them

* Establish milestones for necessary contributions from departments and develop processes to facilitate their collaboration

* Assist other department engineers in creating practical demonstrations of proposed solutions and demonstrating them to other members of the team

* Provide detailed specifications for proposed solutions including materials, manpower and time necessary

* Provide clear goals for all areas of a project and develop steps to oversee their timely execution

* Work closely with engineering professionals within the company to maintain hardware and software needed for projects to be completed efficiently

* Mentor and train other engineers throughout the company and seek to continually improve processes companywide

* Work alongside project management teams to successfully monitor progress and implementation of initiatives
* Use IaaC to automate and enable scaling of environments and systems

* Manage AWS Resources

Evolvice GmbH   Feb 2019 — November 2019

Senior DevOps Engineer

• Helping build continuous integration, infrastructure, and platform automation tools and spreading the DevOps philosophy throughout our teams.
• Working directly with developers to bring new features and services online by helping them incorporate their code and tests within the product.
• Helping monitor those services and implementing alerting tools to make sure the lights stay on.
• Helping build a fully automated, hassle-free, and reliable environment.
• Identifying possible areas of improvements that might concern process, security, stability, reliability, or the overall utility of the end product. job requirements

Crossover.com   March 2017 — Feb 2019

Senior Site Reliability Engineer

lift & shift acquired company infrastructures into a modern Kubernetes/Docker/VMware cluster

Ensure that our multi-tenant infrastructure running more than 100 different products yields four nines and more of availability
Use IaaC to automate and enable scaling of environments and systems
Eliminate complexity from both architecture and processes
Optimize our public cloud computing costs
Manage the uptime error budget of your product
Be proactive and work closely with the engineering teams to enhance our design and improve our platforms offering
Perform capacity planning and pre-launch reviews
Employ modern instrumentation to enable production applications and infrastructure observability and then act upon the results
Practice sustainable incident response and blameless postmortems

Traidnt.com   Jun 2013
System Administrator

* Administrator of Cloud-Servers Section

* Managing Centos Servers
* Ticket Support agent
* Analyzing security status and designing security plan
* Network administration (TCP/IP network).

Digivoice.NET   Jun 2009 — Jun 2013
IT Specialist

* Provide Shared and Dedicated Hosting , VPS Services and Voice, Video Chat conference
* Managing back-end Servers Security
* Building Centralized User Authentications between Windows and Linux Servers
* Mitigate DDOS Attacks using Software and Hardware Levels
* TCP level filtering and Load-blance
* Provide Support for customers and communicate with Sales
* Doing the marketing planning for Services
* Deploy and secure internal web applications.

Traidnt.NET   Set 2012 — Jun 2013
Customer Support

* Managing Centos Servers
* Ticket Support agent
* Analyzing security status and designing security plan
* Network administration (TCP/IP network).

QatarHost   Jun 2007 — Set 2009
Linux Administrator

* Manage Servers with more than 6mil visit monthly
* Building Clustering for Aapche & MySQL Server
* FailOver DNS
* Fitter requests using Advanced Mod_security Rules
* Provide Support for Forums Scripts
* Mitigate DDOS

NG4Host.NET   March 2003 — Set 2010
Co-Founder

* Building Small business company providing
* WebHosting
* Voice-Chat
* DigiChat
* VPS Hosting
* Dedicated Servers
* WebDesign
* We build team worked over 8 year
* It was the First Company in town providing Advanced Web Services

EIT Web Solutions   March 2002 — October 2003
Linux Administrator

* Responsible for creating the company's intranet
* Designing the IT help desk intranet
* Network administration (TCP/IP network and wan).
* Maintenance of the computers
* Troubleshooting and receiving calls concerning computer related problems from staff

* Creating corporate policies concerning the PC and e-mail usage
* Analyzing security status and designing security plan

Education

Bachelor of Computer Application (BCA)   March 2013 — December 2016
Vinayaka Missions University

Arabic Langugae Collage   Set 2003 — Jun 2005
Arabic Langugae Collage

High School   Set 2000 — Jun 2003
Al-Alhmady Institute

Abilities

* Ability to focus in various tasks as the same time .
* Ability to work with team as member or leader .
* Ability to learn new technologies and work with it in short time .

Interests

Eastern philosophy
Car tuning