

## PROFESSIONAL EXPERIENCE

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**BanqueMisr Digital Factory**  
*DevOps lead Engineer*

Cairo, Egypt  
Oct 2022 - Present

- Led a team of 9 DevOps Engineers, providing technical guidance and mentorship to improve team performance.
- Designed and managed comprehensive CI/CD pipeline templates build, unit testing, deployment, automation, SonarQube, PrismaCloud Integration, and Optimizing resources using kustomize.
- Automated the AWS infrastructure for Banque Misr UAE Mobile App using Terraform.
- Migrated all the pipelines from classic pipeline to pipeline templates reducing deployment errors by 90%.
- Handled production environment on OpenShift for BM online with 2 Million users.
- Collaborated with development and operations teams to enhance software quality and delivery processes, reducing deployment errors by 50%.
- Conducted regular security audits, implemented necessary controls and integrated DevSecOps tools such as PrismaCloud, Neuvector, and SonarQube to ensure compliance with security best practices.
- Maintained zero Vulnerabilities container images for all production deployments.
- Deployed Enterprise applications on OpenShift platform e.g. Moneythor, Min.io.

**Itworx**  
*Senior DevOps Engineer*

Cairo, Egypt  
Jan 2020 - Sep 2022

- Joined as DevOps Engineer and promoted to Senior Engineer in mid-2021.
- Designed and maintained pipeline templates/unified pipelines using Jenkins, GitLab CI, and Azure DevOps Pipelines.
- Automated AWS infrastructure provisioning and configuration management with Terraform and Ansible, including creating associated pipelines.
- Developed a tool to migrate 300 repositories from SVN to Git, facilitating the adoption of DevOps practices.
- Mentored four entry-level/junior engineers, enhancing their performance and DevOps knowledge through development plans and pair work.
- Migrated legacy applications (Gradle, Ant, Maven) to a containerized environment using Docker and Kubernetes, and set up CI/CD pipelines with GitLab CI, reducing infrastructure costs by 50%.
- Deployed 60 micro-services to OpenShift 4.6 and created Gitlab CI pipelines, SonarQube integration, nexus artifacts, Grafana and Prometheus integration, and ELK Integration.
- Supported and maintained legacy Java applications on RHEL/CentOS servers.
- Tech Stack: AWS, Openshift, Jenkins, Ansible, Grafana, Prometheus, OpenShift (3.11& 4.6), EKS.

**Information Technology Institute**  
*DevOps instructor*

Cairo, Egypt  
Jan 2021 - Present

- Introduced AWS services to Cloud Track Students Like (EC2, EBS, S3, RDS, Lambda, Elastic Beanstalk, SQS, SNS, ECR, ECS, EKS) and prepared technical assignments and labs.
- Introduced CI/CD using Azure DevOps, IaC, and Terraform, Advanced Terraform modules, and prepared technical assignments and labs.

**AZM**  
*Senior Devops Engineer(Part-time)*

Remote  
Jan 2021 - Jan 2022

- Maintained traffic of 100,000 visits per minute on Joodeskan.sa.
- Autoamated all Infrastructure provisioning on Oracle Cloud using Terraform.
- Built and maintained pipelines using Jenkins/ GitlabCI, and SonarQube integration.
- Ensured compliance with security best practices by conducting regular audits, implementing necessary controls, and integrating SecOps tools such as OWASP ZAP, and SonarQube.

**Digified**  
*Devops Engineer*

Cairo, Egypt  
Aug 2019 - Dec 2019

- Built a Dashboard for Admins and users to make operations of OCR and face matching for the E-wallets.
- Developed an authentication Microservice to authorize users across various services and dashboards
- Implemented security standards of the company and ensured that the Microservices were secured through docker-bench-security, SQL injections test using Nosqlmap.
- Tech Stack: React, GraphQL, MongoDB, Docker, Express.js, Rails, Grafana, Prometheus.

**Lynks**  
*Software Engineer*

Alexandria, Egypt  
Jan 2019 - Aug 2019

- Developed and maintained Exohub.com, a microservice application for managing shipping and warehousing from Egypt to the USA.
- Refactored the shipping Microservice, increased unit test coverage by 90%
- Designed and implemented a comprehensive Rating Module to determine the best shipping prices from both international and domestic couriers.
- Tech Stack: Ruby on Rails, Rspec, PostgreSQL, React, GraphQL, Apollo, Docker and Kubernetes, AWS.

**Raye7**  
*Backend Engineer*

Cairo, Egypt  
Jan 2018 - Dec 2018

- Developed well-tested Raye7 API features using ruby on rails and Integrated with different API's.
- Successfully deployed the Raye7 API on CIB servers and provided ongoing production support.
- Managed and maintained AWS and Azure servers, ensuring continuous 24/7 operational uptime.
- Tech Stack: Ruby on Rails, Rspec, PostgreSQL, AWS, Azure, Capistrano.

EDUCATION

**ESLSCA University**  
MBA Global Management, Digital Transformation *GPA: 3.8*

Cairo, Egypt  
Oct 2022 - Oct 2024

**Benha University**  
BS Computer Science Computer Science

Benha, Egypt  
Sep 2011 - Jun 2016

SKILLS

Cloud Platforms:	AWS, Azure, GCP, Oracle Cloud
Containerization:	Docker, OpenShift, Kubernetes, Amazon ECR, Amazon EKS
CI/CD Tools:	Azure DevOps, GitLab CI, Jenkins, GitHub Actions, CircleCI, ArgoCD
Configuration Management:	Terraform, Ansible
Scripting:	Bash, Ruby
Monitoring and Logging:	ELK Stack, Grafana, Prometheus, New Relic
Other Tools:	Nexus, SonarQube, Artifactory, Quay Registry
SecOps Tools:	Neuvector, PrismaCloud, SoanrQube.

CERTIFICATES

**AWS Cloud Practitioner.**  
**AWS Fundamentals Specialization**  
**Cloud-Native Development with OpenShift and Kubernetes Specialization**  
**Get Ahead in DevSecOps**  
**Red Hat Certified System Administrator (RHCSA)**

AWARDS

**Itworx DevOps Transformation AWARD**  
Recognized for leading the transformation of 40+ projects to implement DevOps practices.  
**Itworx Amazing Squad AWARD**  
Recognized as a member of the top performance squad

Itworx  
Jan 2021  
Itworx  
Sep 2021