

Keryakos Alkis Felopater

Phone : +20 1272964356

Email: kerooegypt2030@gmail.com

www.linkedin.com/in/keryakos-alkis

Sohag , Egypt

Professional Summary

Junior Software & DevOps Engineer with hands-on experience in building and deploying scalable web applications and automation pipelines. Skilled in CI/CD, containerization, and backend development. Experienced with Docker, Kubernetes, Terraform, and modern web technologies. Strong foundation in system design, APIs, and cloud-based environments, with a focus on performance, reliability, and automation.

EDUCATION

Arab Academy for Science, Technology and Maritime Transport (AASTMT)
Aswan Branch, Egypt

Faculty of Computing and Information Technology

2021 -2025

GPA: 3.0 Very Good

Relevant Coursework: Operating Systems, Computer Networks, Database Systems (SQL & NoSQL), Data Structures & Algorithms, Object-Oriented Programming (OOP)

TECHNICAL AND SOFT SKILLS

Technical Skills:

Programming Languages

TypeScript, JavaScript
Python
Bash

Frontend Development

React 19, Next.js 16 (App Router)
HTML5, CSS3, Tailwind CSS
State Management (Zustand)
Responsive Design & UI/UX
Framer Motion (Animations)

Backend Development & APIs

Node.js, Express.js
RESTful API Design
Authentication & Authorization (JWT, NextAuth.js, OAuth)
Role-Based Access Control (RBAC)

Databases

MongoDB
SQLite
Firebase Firestore

Cloud & Media Handling

Firebase
Cloudinary (Image Storage & Optimization)

DevOps & Infrastructure

CI/CD: Jenkins
Containerization: Docker
Orchestration: Kubernetes
Infrastructure as Code: Terraform
Monitoring: Prometheus
Deployment: Nixpacks
Linux

Security & Performance

Rate Limiting

API Security Best Practices
Performance Optimization

Tools

Git & GitHub
VS Code

Core Concepts

Data Structures & Algorithms
System Design
Software Architecture

Soft Skills:

Communication, Teamwork, or individually, Problem Solving, Leadership, Time Management, Adaptability

Languages:

Arabic (Native)
English (Upper-Intermediate)

Professional Experience

DevOps Engineer Trainee - Digital Egypt Pioneers Initiative (DEPI)

6-Month Intensive Program (Round 4)

- Built and managed CI/CD pipelines using Jenkins to automate build and deployment processes.
- Containerized applications using Docker to ensure consistent environments across development and production.
- Deployed and managed containerized applications using Kubernetes.
- Implemented Infrastructure as Code (IaC) using Terraform for automated provisioning.
- Set up monitoring systems using Prometheus to track application performance and system health.
- Worked in Linux-based environments, performing system operations and deployment tasks.
- Applied DevOps best practices including automation, scalability, and continuous integration.

Projects

DOKRAN Store – Full-Stack E-commerce Platform

<https://github.com/keryakosalkomos-rgb/DOKRAN.store>

- Built a scalable full-stack e-commerce platform using Next.js (App Router), React, and TypeScript
- Implemented global state management using Zustand for cart and checkout workflows
- Developed a full admin dashboard for product management, order tracking, and dynamic configurations
- Integrated secure authentication using NextAuth.js with Google OAuth
- Designed responsive UI with Tailwind CSS and advanced animations using Framer Motion
- Managed media storage and optimization using Cloudinary

- Connected MongoDB database for handling products, users, and orders

Educational Platform – Full-Stack Web Application

<https://github.com/keryakosALKOMOS/educational-platform>

- Developed a full-stack educational platform using Node.js and Express.js
- Built RESTful APIs to manage users, courses, and system workflows
- Implemented Role-Based Access Control (RBAC) using JWT and Bcrypt
- Integrated AI features using Google Gemini API
- Designed hybrid database architecture using SQLite and Firebase Firestore
- Added document processing support (PDF & Word files)
- Implemented web push notifications and PWA features
- Applied security techniques including rate limiting and API protection
- Automated deployment using Nixpacks

Containerized Web Application Deployment

- Containerized a web application using Docker for consistent deployment.
- Prepared the application for CI/CD integration and scalable deployment.
- Managed version control and deployment workflows using Git.

CI/CD Pipeline Implementation (Jenkins)

- Designed and implemented a CI/CD pipeline to automate build, test, and deployment stages.
- Reduced manual deployment effort by automating CI/CD pipelines and deployment workflows, improving release reliability.

Kubernetes-Based Deployment

- Deployed containerized applications on Kubernetes clusters.
- Managed pods, services, and basic scaling configurations.

Infrastructure Provisioning using Terraform

- Created infrastructure configurations using Terraform.
- Automated provisioning and environment setup.

Monitoring Setup with Prometheus

- Configured Prometheus to monitor system and application metrics.
- Analyzed performance data to improve system reliability.