

GEORGES KHOURY

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Profile

Computer and Communications Engineering student at Antonine University with practical experience across DevOps, cybersecurity, and full-stack development. Built and deployed containerized applications using Docker and Kubernetes, automated infrastructure with Terraform and Ansible, and implemented GitOps pipelines with ArgoCD. Holds multiple cybersecurity certifications including CCNA and Junior Cybersecurity Analyst. Trilingual in English, Arabic, and French.

EDUCATION

Bachelor of Engineering in Computer and Communications (Master Level) 2023 – Present
System Engineering and Networks, *Antonine University, Lebanon*

High School Diploma of General Secondary Education Life Science Branch, 2020 – 2023
Maronite's Sister School- Saint Elie Dhour zahle

PROJECTS

Project 1: Recipe Management API

Java, MongoDB, Spring Boot.

Project 2: Website for a Dog Shop

React.js, CSS, tailwind CSS, Node JS, Express JS, MYSQL Server.

Project 3: Banking System Application

C++, CSV.

Project 4: FitAway

HTML, CSS, JavaScript, ADOBE ILLUSTRATOR, ADOBE PHOTOSHOP, JQuery.

Project 5: Car Rental Application

C++, CSV

Project 6: Event Management System

MYSQL, Data Modeler

Project 7: Football in-flight movement

MATLAB

Project 8: Plant Disease Detection

Python, Machine Learning, Deep Learning

Project 9: Enterprise Secure Remote Access Solution Using VPN and RemoteApp

Windows Server 2022, VMware

Project 10: Flask Docker REST API

Docker, Python, Flask, PostgreSQL, GitHub Actions, CI/CD

Project 11: Infrastructure as Code

Terraform, Docker, Infrastructure Automation

Project 12: Configuration Management

Ansible, Linux, Ubuntu WSL2, Automation

Project 13: Kubernetes GitOps Platform

Kubernetes, ArgoCD, Helm, Gitea, Prometheus, Grafana, Docker, GitHub Actions

Project 14: Cloud Notes App

Flask, SQLite, Docker, REST API, Bootstrap

Project 15: Inventory Management System

Flask, SQLite, Docker, Bootstrap, Input Validation

Project 16: Employee Management System

Flask, PostgreSQL, Docker Compose, Flask-Login, Bootstrap

Project 17: Help Desk Ticketing System

Flask, PostgreSQL, SQLAlchemy, Flask-Login, Flask-Mail, Docker Compose, Bootstrap

Live: helpdesk-system-production-519c.up.railway.app [↗](#)

Project 18: Product Inventory REST API

FastAPI, PostgreSQL, JWT, Docker Compose, Pytest, Swagger UI

Skills

- **DevOps & Cloud:** Docker, Kubernetes, Terraform, Ansible, ArgoCD, Helm, Git, GitHub, GitHub Actions, CI/CD, GitOps, Infrastructure as Code, WSL2, Amazon Web Services (AWS), AWS Cloud Computing, AWS EC2, AWS S3, AWS RDS, AWS Lambda, Serverless, Cloud Operations, AWS Cloud Foundations
- **AWS Services:** AWS Compute, AWS Storage, AWS Databases, AWS Networking, AWS Security, AWS Cloud Operations, Serverless Computing, Cloud Foundations,
- **Monitoring & Observability:** Prometheus, Grafana
- **Programming Languages:** C++, Python, Java, JavaScript, MATLAB
- **Networking:** Ethernet, IP Connectivity, IP Services, IP Subnetting, IPv4, IPv6, Network Fundamentals, Switching, TCP/UDP, VPN, WLANs, Network Hardening, Network Infrastructure
- **Cybersecurity:** Network Vulnerabilities, Privacy and Data Confidentiality, Threat Detection, Disaster Recovery, CVSS, Evidence Handling, Incident Response, Penetration Testing, Risk Assessment, Risk Management, Secure Device Management, Cyber Kill Chain, Diamond Model, Threat Intelligence, Antimalware Protection, Application Security, Common Cyber Threats, Host-based Intrusion Prevention, Endpoint Protection, Windows Security, Access Controls, Cloud Security, Defense-in-Depth, Firewalls, Hashing, Integrity and Authenticity, Physical Security, Public Key Cryptography, Security Policies
- **Databases & Data:** MySQL, MongoDB, PostgreSQL, SQLAlchemy, Microsoft Excel, Microsoft Access
- **Web Development:** HTML, CSS, Tailwind CSS, React.js, Node.js, Express.js, EJS, JQuery, Spring Boot, FastAPI, Flask, REST API, JWT Authentication
- **Operating Systems & Tools:** Linux, Windows Server Administration, AutoCAD, ArcGIS, Adobe Illustrator, Adobe Photoshop, Microsoft Word, Microsoft PowerPoint, Outlook
- **Other Skills:** Machine Learning, Deep Learning, Python Scripting, Governance, Security Assessments, Security Controls, Security Fundamentals

CERTIFICATIONS

- Junior Cybersecurity Analyst Career Path
- Network Defense
- Endpoint Security
- Cyber Threat Management
- Introduction to Cybersecurity
- CCNA: Introduction to Networks
- AWS Educate Introduction to Cloud 101
- AWS Educate Getting Started with Storage
- AWS Educate Getting Started with Networking
- AWS Educate Getting Started with Compute
- AWS Educate Getting Started with Databases
- AWS Educate Getting Started with Cloud Operations
- AWS Educate Getting Started with Security
- AWS Educate Getting Started with Serverless
- AWS Cloud Practitioner Essentials
- Official Practice Question Set: AWS Certified Cloud Practitioner (CLF-C02)
- AWS Cloud Quest: Cloud Practitioner

LANGUAGES

English

Level B2

Arabic

French