

KEROLOS GAD

B.Sc. Candidate, Computer Networks & Cybersecurity

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Research Interests

Cyber threat intelligence – aggregating, normalizing, and scoring indicators from open-source feeds so that the trustworthy ones reach defenders first.

Network security & intrusion detection – how intelligence is consumed at the network edge by firewalls and IDS, and how detection holds up on real traffic.

Education

Egypt-Japan University of Science and Technology

October 2021 – Expected February 2027

B.Sc. Computer Science and Information Technology

Alexandria, Egypt

- Major: Computer Networks & Cybersecurity.
- Graduation project: DeltaTI, a threat intelligence aggregation platform, later published at IEEE 3SCEA 2026 (see Publications).
- Pursued alongside full-time industry work (see Professional Experience).

STEM High School for Boys - 6th of October

October 2018 – August 2021

STEM Curriculum

Giza, Egypt

Publications

- [1] **K. Gad**, H. Hesham, A. Mousa, Z. Elsayed, M. Ibrahim, H. Ibrahim, O. E. F. Nassar, and S. Elsayagheer, “DeltaTI: Threat Intelligence Aggregation Platform,” in *Proc. 2026 IEEE Int. Conf. Smart Sustainable Systems for Computer and Engineering Applications (3SCEA)*, Apr. 2026, pp. 521–531, doi: [10.1109/3SCEA68071.2026.11602789](https://doi.org/10.1109/3SCEA68071.2026.11602789).

Research Projects

DeltaTI: Threat Intelligence Aggregation Platform

2026

E-JUST graduation project; peer-reviewed at IEEE 3SCEA 2026

deltati.codextech.org

- Aggregated 15+ open-source threat intelligence feeds and normalized them into STIX/TAXII 2.1 for SOC workflows.
- Designed a deterministic trust-scoring engine (recency, cross-source corroboration, source reliability) that ranks indicators and serves them to firewalls, IDS, and other tooling through an API.
- Containerized for on-premises deployment with Docker Compose, Redis caching, and Elastic SIEM integration.

Professional Experience

Building production systems since 2019, largely alongside my studies.

CodeX Technologies

November 2025 – Present

Co-Founder and Managing Director (Full-time)

Cairo, Egypt

- Grew a freelance practice running since 2021 into a web, mobile, and cloud agency; lead a team of 10 engineers and designers.
- Set company-wide engineering standards (code review, CI/CD pipelines, and security baselines) that every project ships against.

Hatching Ducks

October 2024 – Present

Senior Software Engineer (Part-time)

Remote

- Own backend and API engineering across the company’s product portfolio, designing scalable, secure REST APIs and services.

OBM Education

March 2023 – October 2025

Tech Lead / Software Engineer (Full-time)

Hybrid

- Led backend development on the Taleb App, scaling it to 250,000+ users.
- Architected and operated load-balanced AWS infrastructure at 99.9% uptime, owning monitoring, on-call, and incident response end to end.
- Built out security processes and hardening practices that reduced security incidents by 40% year over year.

Freelance

October 2021 – February 2023

Software Engineer

Remote

- Delivered web applications for startup and small-business clients, owning backend APIs, databases, deployment, and hosting on Linux servers with Docker.

MIRUS

December 2019 – September 2021

Full Stack Engineer (Part-time)

Cairo, Egypt

- Developed full-stack features and maintained server infrastructure with automated deployment pipelines.

Plebites

August 2019 – November 2019

Frontend Developer (Part-time)

Cairo, Egypt

- Built responsive, accessible, component-based user interfaces for production web products.

Leadership & Community

Student Ambassador , CyberTalents – hosted CSCAMP 2019 (500+ participants)	Oct 2019 – Oct 2023
Community Ambassador , OWASP Cairo Chapter – led AppSec Africa 2019 (500+ attendees)	Aug 2019 – Aug 2020
Software Developer Intern , Andela BuildforSDG Challenge	Aug 2020 – Dec 2020
3rd Place , Crisis HackX Hackathon	2020

Certifications

Certified Threat Intelligence Analyst (CTIA) – EC-Council (<i>ID: ECC6429178053</i>)	Jul 2024
Google Cybersecurity Specialization – Google (<i>ID: CJF5Z3M9AL38</i>)	Dec 2023
Practical Web Application Security and Testing – TCM Security (<i>ID: QTMHB0WT</i>)	May 2023
Practical Ethical Hacking – TCM Security (<i>ID: DRXLPPFY</i>)	Sep 2022
Introduction to Cybersecurity Bootcamp by Trend Micro – CyberTalents (<i>ID: 207079278</i>)	Sep 2022

Technical Skills

Security: Threat intelligence (STIX/TAXII 2.1), SIEM (Elastic Stack), incident response, secure architecture, OWASP Top 10, blue teaming

Networking & systems: TCP/IP, DNS, Linux, Windows Server, Nginx & load balancing

Programming: Python, JavaScript, TypeScript, SQL, Bash, PowerShell

Infrastructure: AWS (EC2, RDS, S3), Docker, Kubernetes, Terraform, Redis, PostgreSQL

References

Available upon request.