NIKOS SIACHAMIS

EDUCATION

M.S. in Cybersecurity and Data Science | University of Piraeus (2023 - 2026)
Track: Information and Communication Systems Security | Graduation: June 2026 | Average: 9.72

B.S. in Computer Science and Informatics | Athens University of Economics and Business (2017 - 2022)
Graduation: November 2022 | Average: 7.39

TECHNICAL SKILLS

Tools: AWS (SecurityHub/GuardDuty), Cloudflare, CrowdStrike, Docker, Kubernetes, Terraform, Elasticsearch, Kibana, Burp Suite, Jenkins, Teleport, SonarQube, jmx/json-exporter, Prometheus, Grafana, JFrog, OwlH, Suricata, Git (GitHub/GHA/Bitbucket), Jira

Languages: Python, Shell/Bash, Java, Ruby, C++, SQL, JavaScript, Spring-boot, Ansible, Robot-Framework

Core Expertise: Data Structures & Algorithms, Cloud-based Tech (AWS), Full-stack Web Dev, Linux Admin, Containerization, Orchestration, CI/CD, Testing, Automation & Monitoring

WORKING EXPERIENCE

Security Engineer | Skroutz *(Apr 2023 - Present)*

Stack: AWS(SecurityHub/GuardDuty), CrowdStrike, Cloudflare, Docker, Kubernetes, GHA, Elasticsearch, Kibana, Burp Suite, Magic Transit

- **DevSecOps:** up to x2 performance improvement on internal security operations by contributing to SAST (integrate various vulnerability scanners, implement github actions and workflows, scripting). Automate fetch and cross check password leaks process via Ruby rake task (e2e pipeline: storing reports and logs on AWS – dashboard on Kibana SIEM with the results).
- **Reviewing:** code reviewing and vulnerability assessment/reporting, triaging findings from Bug Bounty program.
- **Cloud:** integrate or improve performance of multiple security tools like SecurityHub|Cloudwatch. Infrastructure management using Terraform. E2E implementations and hands on experience in multiple AWS components (S3, Lambda, Eventbridge, SQS, DynamoDB). Contribution to agentic implementations to elevate our team's performance (slack security bot, auto triage SIEM agent).
- **Network:** firewall and traffic management via Cloudflare, zero trust network configuration
- **SIEM:** monitoring and rule management, incident detection & investigation.

Junior DevOps Engineer | ITML (Information Technology for Market Leadership)

(Nov 2021 - Jul 2022 | Mar 2023 - Jul 2023 [Part-time] | Sep 2023 – Mar 2023)

Stack: Docker, Kubernetes, Jenkins, Kafka, Elasticsearch, Kibana, Keycloak, Prometheus, Grafana, JFrog, Kibana, OwlH, Suricata

- Administrator in system management applications (Teleport), procedure automating with Jenkins pipelines.
- Application deployment/configuration/development (Java Spring-Boot apps and proxies), as well as testing/researching in EU/B2B projects.
- Implemented hotfixes for deployed Kafka/EKS environments. Handled Kafka components (consumers, producers) and Kafka-Admin for certificate/ACL creation.
- Conducted testing using Python and Robot-Framework.
- Set up a public guest WiFi network protected by Radius-server and IDS OwlH using Suricata rules.

IT Support and System Administrator | HNDGS (Hellenic National Defence General Staff) *(Nov 2022 - Sep 2023)*

Stack: VMware, Active Directory, Remmina, PRTG, Graylog SIEM

- Fulfilled military obligations working full-time as helpdesk and system administrator.
- Utilized Active Directory as IAM solution, managing user identities and access privileges.
- Managed mail, file, print, DHCP, and application servers for seamless functionality.

- Proactively monitored system health and alerts using PRTG monitoring and Graylog SIEM.
- Trained new team members to efficiently grasp job responsibilities and acquire necessary skills.

PROJECTS & THESIS

Thesis: "Mitigation Techniques for Prompt Injection Attacks" | *dione.lib.unipi.gr/xmlui/handle/unipi/19486*

Stack: LangChain, Python, AES encryption, LLM-as-judge evaluation

- Designed a structural defense against LLM prompt injection that encrypts user input before it reaches the model, preventing malicious content from being interpreted as system instructions.
- Implemented a two-pass conversational protocol in LangChain (custom PromptTemplate, AES encryption, chained memory) that separates routing/trust decisions from content processing.
- Evaluated the approach against a custom adversarial/benign prompt dataset using manual review and an LLM-as-judge methodology.

CERTIFICATIONS & LANGUAGES

Certifications:

- **Certified Kubernetes Administrator (CKA)** - Linux Foundation (Dec 2025)
- Introduction to Network Fundamentals - Hellenic American Union (Oct 2018)

Languages: Greek (Native), English (C2-Michigan), German (B2-GOETHE)