Samuel Aulotte



Systems, Cloud & Security

Cyberdefence I Cloud Security I AI Environments

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Liège, Belgium Open to hybrid work

I work across infrastructure security, Microsoft cloud and AI R&D environments. My experience combines cybersecurity audits, secure cloud design, identity protection and DevSecOps. I also develop resilience-testing tools and explore how to make automated systems more trustworthy.

Professional experience

Cybersecurity Audit & Secure Cloud Architecture

Major French jewellery house (confidential client, NDA) I Ongoing assignment

- Conducted a cybersecurity audit, designed secure cloud solutions and contributed to on-premises infrastructure security.

Cybersecurity & Infrastructure Administrator

DT Services & Consulting SRL I January 2025 - Present

- Secured Microsoft 365, Azure and Entra ID using IAM, MFA, RBAC, Conditional Access and least privilege.
- Contributed to monitoring with Defender, Sentinel and Azure Monitor; performed Windows/Linux hardening and supported vulnerability analysis and risk identification.
- Supported secure CI/CD, infrastructure administration and security documentation; contributed to the IT/security charter and to OSINT and audit support within LUCID.

DevSecOps, MLOps & AI Security Support

BRAIN by DTSC I 2025 - Present

- Supported versioning, pipelines, reproducibility and documentation for AI R&D; contributed to RBAC, audit logging, encryption and GDPR-by-design practices.
- Helped structure research topics around causal AI, graphs, reinforcement learning, simulation and MLOps.

Technical focus

Defence & cloud: Microsoft 365, Azure, Entra ID, IAM, MFA, RBAC, Defender, Sentinel, hardening, vulnerability analysis, OSINT.

Systems: Windows Server, Linux, AD, VLANs, firewalls, VMware, Proxmox.

Engineering: Python, Docker, Git, GitHub Actions, Azure DevOps, Ansible; Terraform fundamentals. FastAPI, TypeScript/Next.js, PostgreSQL, OR-Tools CP-SAT.

AI environments: MLOps practices, audit logging, access controls, reproducibility.

Observability: Grafana, Alloy, Prometheus, Mimir.

Training & languages

Google (2025) — Cybersecurity Professional Training; Networks and Network Security.

Cisco (2024) — Networking Basics, Operating Systems Basics, Introduction to IoT.

Selected projects

Resilient UAS Lab I Author, open-source project

- Developed a simulation platform for autonomous-system resilience: declarative fault scenarios, telemetry, recovery and containment metrics, replay and comparison reports.
- Python/FastAPI, Next.js, Docker and PX4/Gazebo; segmented services, hardened containers and security checks in GitHub Actions. Published simulation reports.

DTSC products · End-to-end design & development

Conductor by DTSC

- Built Odoo-connected finite-capacity planning with OR-Tools CP-SAT, an interactive Gantt, versioned scenarios and human approval. FastAPI, Next.js, PostgreSQL.

OPERIS & Warevia by DTSC

- Built 3D production and warehouse twins, isolated MES simulation, transactional inventory and traceability with Three.js, FastAPI and PostgreSQL; simulated lab workflows.

HumaPace by DTSC

- Built a workforce scheduling prototype with CP-SAT: qualifications, availability, replacements, travel constraints and human-approved scenarios. Demonstrated on synthetic education datasets.

Observability & automation lab I Personal learning projects

- Documented Ansible deployment of Grafana Alloy and a local Grafana/Mimir stack: system metrics, remote write, service configuration and troubleshooting.

Certifications

ISO/IEC 27001:2022 Lead Auditor (I27001LA)
CertiProf · 11 November 2026
Valid until 10 November 2029

ISO/IEC 27001:2022 Lead Implementer (I27001LI)
CertiProf · 11 November 2026
Valid until 10 November 2029

Professional Scrum Developer I (PSD I)
Scrum.org · 7 November 2026

Languages

French: native **English:** C2 certified (2025).