

# Sergiu Ojog

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Software Engineer specialising in efficient backend systems. Effective technical liaison between development teams and management. Mentor to junior developers, emphasising code quality and long-term vision. Academic foundation in cyber security combined with practical experience enables delivery of robust, secure, and maintainable solutions.

## Experience

- Now **Software Engineer**, *Trifork*, Copenhagen.  
| Specialized in enterprise backend development with *.NET*, *PostgreSQL*, and *MS SQL* while managing  
May 2022 cloud infrastructure using *Azure*, *Docker*, and *Kubernetes* across diverse client projects.
- **Backend Expertise:** Architected scalable systems with RESTful APIs in distributed cloud environments, focusing on robust infrastructure and high-performance solutions.
  - **Technical Leadership:** Led cross-functional development teams while enforcing high code quality with thorough code reviews, serving as point of contact between technical and business stakeholders, and mentoring junior developers.
  - **Adaptability:** Demonstrated quick learning capabilities by contributing to frontend work with *Angular* and *TypeScript*, ready to expand technical skillset as needed.
- Apr 2023 **Cyber Security Engineer**, *Trifork*, Copenhagen.  
| Developed a threat intelligence solution using *Python*, *Kubernetes*, *Azure*, *Elasticsearch*, *Kibana* and  
Aug 2022 *Kafka*. The system aggregated data from multiple online sources including social media and forums to identify potential security threats.
- Jun 2022 **System Administrator**, *Novozymes*, Copenhagen.  
| Temporary Graduate Engineer position, working on the yearly Ubuntu and Ceph cluster upgrades,  
Mar 2022 as well as dealing with the tasks described in the student assistant position.
- Feb 2022 **Student Assistant System Administrator**, *Novozymes*, Copenhagen.  
| Administered *Hadoop*, *Ceph* storage, and *HPC* clusters with *Kubernetes*, *VMs*, *PostgreSQL*, *Gitlab*,  
Jun 2019 *Jenkins* and *Ansible*.
- **Deployment:** Installed, configured and debugged software across various systems.
  - **Monitoring:** Managed alerts and visualization with *Nagios* and *Munin*.
  - **Security:** Implemented Linux security measures on laptops and servers.
  - **Hardware:** Handled server installation and component replacements.

## Projects

- BirdLife Datazone Led backend development for BirdLife International's open-access biodiversity platform, rewriting legacy PHP system in C# with PostgreSQL. Trifork handled entire backend implementation and frontend development, while Hex managed design, project management, CMS, and client communications. Implemented complex fuzzy search functionality, dynamic database queries using LINQ/EF Core, and integrated multiple disparate data sources while maintaining compatibility with existing database schemas. The platform transformed decades of scientific research into an accessible digital tool for conservation policy, research, and advocacy.

Danish Energy Agency Migrated Danish Energy Agency's authentication system from NemID to MitID under emergency conditions, navigating undocumented legacy .NET Framework code with critical time constraints. Implemented and tested authentication workflows while maintaining clear communication with both non-technical agency stakeholders, as well as technical personnel from Agency for Governmental IT Service, which owned the deployment process. Identified and reported critical authentication bypass vulnerability that allowed unauthorized access through direct URL manipulation. Delivered production-ready solution that maintained essential public services while enhancing security.

## Education

Feb 2022 **Master of Science in Engineering**, *Danmarks Tekniske Universitet*, Copenhagen.  
| Masters in Computer Science, specialising in Cyber Security.

Sep 2019

Aug 2019 **Bachelor of Science in Engineering**, *Danmarks Tekniske Universitet*, Copenhagen.  
| Bachelor in General Engineering, specialising in Cyber Systems.

Sep 2016

## IT Skills

Coding Languages C#, TypeScript, Python, Shell (POSIX, Bash, Zsh), Kotlin  
Cloud & DevOps Azure, CI/CD, Docker, Kubernetes, GitHub  
Technologies .NET Core, .NET Framework, Angular, PostgreSQL, Kafka, MS SQL, Ansible, Terraform, UNIX command line tools, git  
Operating Systems Linux, Microsoft Server

## Languages

Romanian Native  
English Fluent  
Danish Advanced  
Russian Advanced  
French Intermediate