

SZILÁRD ATTILA NAGY

AWS Certified Senior DevSecOps Engineer

Senior DevSecOps Engineer with 6 years of experience. Specialised in building scalable infrastructure, automating processes and ensuring seamless software delivery. Committed to continuously improving processes and enhancing system efficiency.

EXPERIENCES

Senior DevOps Engineer, 2020-2023
Lead Systems Developer and Sysadmin @Pensionera Group

I held a multi-dimensional role that encompassed spearheading software development initiatives, overseeing the maintenance and enhancement of the infrastructure, and providing effective leadership to a team of six engineers.

- Migrated the **omnibus Helm GitLab** installation to a cloud-native version.
- Implemented centralised monitoring, logging, and alerting for **Kubernetes**, enhancing observability, log processing and streamlining management.
- Optimised application performance by eliminating system interdependencies and replacing the SQL client with **sqlx**. Introduced the **go-chi** router, refactored all **REST APIs**, and created custom **middlewares** to handle common functionalities. Unified error handling across all 16 **microservices**.
- Enabled improved performance tracking and analysis by instrumenting **Go** applications with custom **Prometheus** metrics.
- Operated and maintained the production **Kubernetes** clusters for optimal performance and reliability.
- Integrated third party systems into the platform (**Go**)

DevSecOps Engineer, 2017-2020
Junior DevOps Engineer @Grabyo

- Designed the **AWS network** layout optimised for performance and security.
- Developed a **CLI tool (Go)** that unified service packaging and deployment methods, regardless of backend, for increased efficiency and ease of use.
- Simplified infrastructure management and ensured consistency by importing all existing infrastructure to **Terraform** and creating multiple modules.
- Built a robust **CI/CD** system from the ground up using **Jenkins**, resulting in increased stability, predictability, and deployment frequency. Later migrated the entire process to **CircleCI**.
- Developed custom **AWS Lambda** functions to automate the backup processes for **DynamoDB** tables and the cleanup of **ECR repositories**.
- Designed and implemented stateless, highly-available, and scalable architecture for multiple tools, including **Jenkins**, **Verdaccio**, **Hashicorp Vault**, and **Unleash**. All utilising **Google OIDC** as user authentication.
- Improved security and access control by replacing the need for **SSH keys** with **Vault**-generated **OTPs** based on user identity.
- Created custom **Slack** integration that included detailed information from each CI build process.
- Conducted in-depth research on **Kubernetes (EKS)** vs. **ECS Fargate** to lay the groundwork for **microservices**.



npszilard.github.io

linkedin.com/in/nagyszilard94

npszilard94@gmail.com

Stockholm, Sweden



ACHIEVEMENTS

- AWS Certified SysOps Administrator
- IEEE Communication Society Special Award
- Ericsson Hungary 1st Prize at the Scientific Students' Association

EDUCATION

Computer Network Administration and Management, M.Sc.

2016-2017

@University of Portsmouth

- Graduated with **distinction** in every module and achieved **overall distinction**

Computer Science Engineering, B.Sc.

2012-2016

@Budapest University of Technology

- Specialised in **Info-communication networks and applications**

INTERESTS

- Snowboarding, Strongman, Formula 1, Squash
- Watching movies, Listening to music, Travelling