Alexander Reinthal

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Experience

Knowit Solutions Cocreate, Data Engineer / Tech Lead / Delivery Manager — Gothenburg, Sweden · Feb 2022 – present

- Managed and did work in migrating legacy data pipelines to a modern data stack using Snowflake, Dagster and Dbt. This cut cloud-costs by 50%.
- Helped parent company align data tooling to facilitate BI insights from subsidiaries.
- Lead agile R&D team to integrate car software telemetry data into software integration platform. Project discontinued due telemetry not yet implemented in software.

NTT Security, Security Analyst — Gothenburg, Sweden · Apr 2019 – Jan 2022

- Built out new internal tooling that was well received by other analysts.
- Educated other analysts in understanding how to analyze the alert flow.

Ericsson, Python Software Engineer — Gothenburg, Sweden · June 2017 – Oct 2018

- Lead a team to implement a log parsing tool which resulted in Ericsson hiring a team of engineers to continue its development.

Projects

Dagster — github.com/dagster-io/dagster ↗

- Have contributed to the above open source project.
- Dagster is a data orchestration tool that manages workflows by organizing, scheduling, and monitoring data pipelines.
- Tools used: Pytest, python3.10, buildkite

Looker Plus Plus — github.com/reinthal/lpp ↗

- Internal tool for automating analysis of malicious domains
- Tools Used: python3 and python2, Sci-kit-learn, xgboost, asyncio, MongoDB, fastapi, rabbitmq, redis, docker, docker-compose

My Kubernetes Configs — github.com/reinthal/my-kubernetes-infra ↗

- Kubernetes Manifests to test deploying using FluxCD before deploying at customers.
- FluxCD configurations for a modern data stack using langfuse for LLM telemetry, Elastic Search, Openmetadata, OpenWebUI for a chatbot, Rancher and Traefik for ingress.
- Tools Used: Fluxcd, Kubectl, k9s

k3s hosts in proxmox — github.com/reinthal/k3s-proxmox-tf ↗

- Terraform script to deploy k3s hosts in my homelab to test new software before using it in production.
- Tools Used: Terraform

Technologies

Languages: python, R, sql, c#, java, terraform, nix, c++, assembly

Technologies: Dagster, Snowflake, DBT, Kubernetes, Kubeflow, podman, docker, Databricks, ETL, Azure, AWS, Proxmox, git

Education

MS	**Chalmers Technical University**, Engineering Physics	Sept 2016 – June 2018

- **Coursework:** Statistical Physics, Neural Networks & Machine Learning

BS	**Gothenburg University**, Computer Science	Sept 2013 – June 2016

- **Coursework:** Algorithms, Testing, Debugging & Verification, Theoretical Computer Science, Operating Systems, Cryptography, Cyber Security

Publications

Data Modelling for Predicting Exploits — Nov 2018

Reinthal, A, Filippakis, E.,, Almgren, M.

$10.1007/978 - 3 - 030 - 03638 - 6_21$ ↗