Connor Kooistra

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Education

MSC **Vrije Universiteit**, Computer Science — Amsterdam, NL — Sept 2024 – present

BSc **Vrije Universiteit**, Computer Science — Amsterdam, NL — Sept 2020 – June 2023

- Thesis: 'Assessment of SURF HPC Cloud: Viable Alternative to On-Premise Solutions?': 8.0/10

Experience

Kooistra Cyber Solutions, Founder & Software Engineer — Amsterdam, NL — Jan 2025 – present — 1 year 10 months

Freelance software engineering for Dutch organisations, focused on secure and reliable data pipelines, APIs and system integrations in Rust and Python.

- Designed and built a fault-tolerant CRM-to-portal synchronisation service in Rust on Azure. It is at-least-once, idempotent and fully resyncable, with a durable queue between reading and writing.
- Built a state-aware, resumable migration framework in Rust that moves large media collections into a digital asset management system.
- Built a data integration platform for scheduled, auditable syncs between business systems. This platform reuses an existing no-code workflow tool (n8n) as the front end, allowing non-technical users to build their own data pipelines.
- Developed tooling around a digital asset management platform. This includes API client libraries, server-side plugins (PHP) and workflow automation for a media-archive client.

MovingMedia, Systems Engineer — Amsterdam, NL — Oct 2023 – Sept 2025 — 2 years

- Designed and implemented an automated ingest system for a digital asset management system, enabling secure and efficient archival of visual media. This system integrates the DAM with a collection system and ensures metadata consistency, checksum validation, and automated storage distribution.
- Designed a rule-based, backup monitoring agent to automatically process alerts from an arbitrary system. Implemented for multiple client and internal systems.

MovingMedia, Support Engineer — Amsterdam, NL — Oct 2019 – Sept 2023 — 4 years

Skills

Languages: Rust, Python, PHP, C, JavaScript

Cloud & Data: Azure (Functions, Container Apps, Queue/Table Storage), Dataverse, GCP (BigQuery)

Integration & Automation: REST APIs, CI/CD

Tooling: Nix/devenv, GitHub Actions, Docker