

timvanleuverden

senior software engineer & backend architect

contact

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Dutch drivers license
AM, B, T

core stack

Rust
Go

Kubernetes
gRPC / Protobuf
Helm
PostgreSQL

also used

Kotlin
Python, Java
TypeScript
C / C++, C#
SQL (MySQL, MSSQL)
PHP, HTML / CSS
Terraform
OpenTelemetry
Google Cloud

languages

(native) Dutch
(fluent) English
(conversational) Japanese
(basic) German
(basic) French

interests

Homelab, 3D printing,
internet of things, video
games, anime, manga,
and retro hardware.

profile

Senior backend engineer, around 10 years professional, with the last four as primary architect of Hypermeter: a multi-tenant, Kubernetes-native billing and metering platform built on roughly 25 Rust and Go microservices over gRPC. Strongest in Rust, Go, and Kubernetes-native systems design.

experience

2022-2026 Exivity, Amsterdam

Senior Software Engineer & Backend Architect, Full-time

Small engineering team building the next-generation product line alongside maintenance of the existing ETL product.

- Primary backend architect for Hypermeter, a clean-sheet multi-tenant Kubernetes-native billing and metering platform serving the FinOps discipline: roughly 25 Rust and Go microservices on gRPC and Protocol Buffers, with generated Go and TypeScript SDKs
- Primary owner of the billing engine in Rust (tiered pricing, volume discounts, surcharges, incremental invoicing), the data-extraction service (HTTP APIs with OAuth2 / JWT / cloud IAM, RDBMS, S3 / Azure Blob / GCS), the pluggable storage abstraction, a Rust-to-WASM template engine, and the CLI
- Significant contributions to workflow orchestration, transformation, data load, tenant lifecycle (per-tenant K8s namespaces with isolated PostgreSQL and MongoDB), DB migrations, and OpenTelemetry-based observability deployed via Helm
- Maintained and extended the prior Exivity ETL product: Go and C microservices on a RabbitMQ message bus across Windows, Linux, and Kubernetes

2021-2022 Devoteam G Cloud, Amsterdam

Google Cloud Software Engineer, Full-time

First engineering hire in the Netherlands office. Customer projects and internal products.

- GCP-native applications on Kubernetes, App Engine, Cloud Functions, and Cloud Run
- Backend in Go, frontend in Vue.js
- Infrastructure-as-code with Terraform

2018-2020 App4mation, Utrecht

Full-stack Developer, Full-time

Spin-off of Plat4mation focused on independent products.

- ServiceNow application development in JavaScript
- Android applications in Kotlin

2017-2018 Plat4mation, Utrecht

Platform Developer, Full-time

Enterprise ServiceNow application development for clients including UK DWP and ING.

- Service Portal and AngularJS applications on the ServiceNow platform
- Outlook add-in (Angular 6 with a C# ASP.NET backend), published on the ServiceNow store
- Internal Gulp-based front-end build tooling adopted by the team

2016-2017 Flores.nl, Amsterdam

Developer, Part-time and Internship

Small Amsterdam-based developer studio. Joined part-time alongside HBO studies, continued as an internship.

- ASP.NET web applications and Xamarin.Forms mobile apps
- Deployment to Microsoft Azure

deployments

HPE
NTT Data
KPN
Randstad
Coolblue
Proximus
UK DWP
ING
Heineken
JDE

open source

What Should We Play On
Steam
Vue.js + Node.js

Ruri

Rust
crates.io · AUR · Brew

Advent of Code

Rust
since 2020
2024 2025

education & certifications

- 2025 **Certified Kubernetes Administrator** Cloud Native Computing Foundation
Production-grade Kubernetes cluster installation, configuration, and management.
- 2021 **Professional Cloud Architect** Google Cloud
Designing, developing, and managing scalable, secure cloud solutions on Google Cloud.
- 2021 **Certified Kubernetes Application Developer** Cloud Native Computing Foundation
Designing, building, and deploying cloud-native applications for Kubernetes.
- 2021 **Associate Cloud Engineer** Google Cloud
Deploying applications, monitoring operations, and managing enterprise solutions on Google Cloud.
- 2019 **HBO-ICT** Hogeschool van Amsterdam
Software engineering specialisation, switched from Game Development in 2016.

selected projects

- 2026 **Hypermeter** hypermeter.com @ Exivity
Multi-tenant Kubernetes-native billing and metering platform.
- 2022 **Exivity v3** exivity.com @ Exivity
Maintenance and extension of the prior Exivity ETL product.
- 2020 **4Visitors & Visitors4U** Integrated into ServiceNow @ App4mation
Visitor registration: ServiceNow application + Android kiosk.
- 2019 **What Should We Play On Steam** whatshouldweplayonsteam.com
Finds Steam games multiple players have in common.
- 2019 **CI4U / 4DevOps** Published internally @ App4mation
CI/CD integration for ServiceNow with major Git hosts and Jenkins.
- 2018 **Rooms4U Outlook add-in** store.service-now.com @ Plat4mation
Outlook add-in for room booking via Rooms4U on ServiceNow.
- 2017 **Roadmap4U** store.service-now.com @ Plat4mation
Roadmap visualisation in ServiceNow, built for UK DWP and ING.
- 2017 **Konektis dashboard** Internal @ Flores.nl
ASP.NET Core dashboard for the Konektis CRM synchronisation system.
- 2017 **Rembrandt F&O App** Internal prototype @ Flores.nl
Xamarin.Forms prototype for bankers to manage customer relationships.
- 2016 **Donpl App** Student project @ Flores.nl
Xamarin.Forms mobile app, first HvA student project.