

Nojus Morkūnas

Software Developer

Vilnius, Lithuania (from Feb 2027) | nojus@morkunas.nl
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EDUCATION

University of Twente

Enschede, Netherlands

Bachelor of Science, Business Information Technology

2022 – 2027 (expected)

- Thesis: “[Integrating Model-Based Testing into Agile Software Engineering Workflows](#)”, nominated for Best Paper at the 45th Twente Student Conference on IT

EXPERIENCE

Software Engineering Intern

Feb 2026 – Apr 2026

CAPE (Carthago ICT)

Hengelo, Netherlands

- The client’s 174 GB PostgreSQL database ran out of memory on dashboard queries. Proposed and built a [benchmarking tool](#) (Python, FastAPI, Docker) that tests each database on 17 of the client’s real queries
- Ran it on PostgreSQL, TimescaleDB, ClickHouse, QuestDB and InfluxDB 2 over 1.4 billion smart-meter rows. The team recommended ClickHouse: up to 57x faster than PostgreSQL on aggregation queries, 13 GB of storage instead of 174 GB and an estimated \$10,400 a year less in Azure infrastructure costs

Courier (part-time)

Oct 2021 – Present

Thuisbezorgd (Just Eat Takeaway.com)

Enschede, Netherlands

PROJECTS

Conatus (solo, open source)

github.com/nojusborkunas/conatus

- Self-hosted Todoist alternative with an MCP server for AI agents (Next.js, TypeScript, PostgreSQL), built with AI coding tools
- Agents connect through scoped API tokens and an OAuth gateway, with no destructive tools and no duplicates when an agent retries
- 52 GitHub stars; featured in the selfh.st weekly newsletter (Sep 2026) and listed on AlternativeTo

TwenteNotes (solo)

twentenotes.nl

- Note-sharing site for University of Twente students with 80+ registered users, built with AI coding tools
- Go REST API (JWT auth, email verification, rate limiting, admin moderation of uploads), Next.js/TypeScript frontend, PostgreSQL, Supabase Storage for the PDFs

Pipeline Survey Platform (team of 4, client project)

- Web platform for Rosen Group field engineers to run pipeline inspections, with configurable survey templates and 4 permission levels (admin, manager, creator, engineer)
- Worked on the system design and the PostgreSQL schema for survey templates and role-based access, and built the frontend in HTML, CSS and JavaScript

Exploding Kittens (team of 2, university project)

- Networked version of the Exploding Kittens card game in Java 11 for 2 to 6 players, with computer players
- Client-server design over sockets with a command-based protocol and error codes; game logic in an object-oriented model with JUnit tests

TECHNICAL SKILLS

- **Programming:** Java, SQL, Python, TypeScript, Go
- **Data:** PostgreSQL, ClickHouse, TimescaleDB, InfluxDB 2/3, Supabase
- **Web:** Next.js, React, FastAPI, REST APIs
- **Tools & practices:** Docker, Linux, Git, Claude Code, Codex, OpenCode, MCP, Scrum
- **Languages:** Lithuanian (native), English (C1), Dutch (A2)