Oualid Faouzi

Software Engineer

Amstelveen | oualid.faouzi.it@gmail.com | github.com/TechNomadCode

oualidfaouzi.dev | linkedin.com/in/oualid-faouzi | Open to permanent, contract or freelance

PROFILE

Software engineer (BSc) who builds and runs software from idea to production. Built promptquick.ai, a live product with paying customers, and created an open-source toolkit for AI-assisted development with over 1,000 stars on GitHub. Background in embedded systems and robotics from two engineering internships. Fluent in Dutch and English.

SKILLS

Languages: TypeScript, JavaScript, Python, SQL, C
Web: React, Next.js, Node.js, REST APIs
AI: RAG with pgvector, LLM tool calling, Vercel AI SDK, LLM evals, Claude Code, OpenAI Codex, Model Context Protocol (MCP)
Data and delivery: PostgreSQL, Supabase, Docker, GitHub Actions (CI/CD), Vercel, Playwright, Vitest, payments with Lemon Squeezy, Mollie and PayPal
Embedded: Embedded C, I2C, SPI, UART, Raspberry Pi

EXPERIENCE

PromptQuick promptquick.ai **2024 - Present**
Independent Software Engineer *Amstelveen*

- Built and launched promptquick.ai in April 2025, a live site that sells a paid PDF guide, with about 750 sample sign-ups and paying customers
- Built the sign-up and purchase flow with Next.js, TypeScript and PostgreSQL on Supabase: Lemon Squeezy payments through verified webhooks, and a background job queue that sends emails with retries
- Set up checks that run on every change with GitHub Actions: over 160 unit, integration, browser and database tests, a secret scan and a dependency audit
- Created separate staging and production environments, with a release pipeline that migrates the database before each deploy
- Upgraded the production database from PostgreSQL 15 to 17, using a maintenance mode built for it and tested on staging first
- Direct AI coding agents (Claude Code) under written rules, with automated tests and checks on every change before release; the process is described in a public article on the site

Wonder Dagritmekaarten **Sep 2025 - Sep 2026**
Freelance Full-Stack Developer

- Built a replacement storefront for a Dutch web shop to cut the cost of its hosted platform
- Moved it first to a self-hosted Medusa backend in Docker, then to a Next.js app on Vercel with only a database and file storage, each step with lower running costs
- Integrated Mollie and PayPal payments with webhooks, proven with a real customer order, and tested user flows and accessibility with Cypress in the pipeline

Growy
Hardware Integration Engineer, graduation internship (one semester)

- Tested the Robohead v3, a new camera and sensor board with two Raspberry Pi modules for the robots of a vertical-farming company, and set up AWS storage for its images
- Combined four hardware tests into one Python script that checks the whole board in a single run
- Measured image quality under 20 lighting settings with OpenCV and showed that 80% LED intensity gives the best images; recommended fewer LEDs on future boards

Maxem Energy Solutions
Hardware Interface Developer, internship (one semester)
- Built automatic detection and configuration of EV charging stations in C and Node.js, replacing configuration files that colleagues wrote by hand
- Wrote detectors for EVBox and ICU charging stations; for ICU, analysed the station's network traffic with Wireshark together with the CTO and recreated it in C
- Wrote a research report on the demand for smart charging in the Netherlands

PROJECTS

PRD Assistant prd.oualidfaouzi.dev
- Open-source web app that drafts a product requirements document from interview transcripts, in which the app's own code checks every quote the AI cites
- Built the RAG search myself on PostgreSQL with pgvector, a streaming chat with tool calling on the Vercel AI SDK, and a tool that measures the model's behaviour over repeated runs; tested in CI, with staging and production on Vercel

AI Product Development Toolkit GitHub
- Open-source toolkit for planning and building software with AI, with over 1,000 stars and 160 forks on GitHub
- Contains guided planning prompts, a starter that leads a coding agent from idea to launch on Next.js, Supabase and Vercel, and agent configurations; installs as skills for Claude Code and Codex

TFT Live Overlay GitHub
- Electron app that tracks a player's Teamfight Tactics rank and shows it in an animated overlay for OBS and Streamlabs, with installers for Windows, Linux and macOS

EDUCATION

Amsterdam University of Applied Sciences **2024**
Bachelor of Science, HBO-ICT: Technische Informatica (Technical Computing)
- Average grade of 7.34; internship graded 8
- Minors in Internet of Things and Mobile Development, and a Computer Science semester covering robotics, real-time operating systems, intelligent systems, and motion and vision
- Team projects in Agile and Scrum throughout, including a robot on wheels, an IoT product and a mobile app
- Subjects included embedded systems, programming, databases, infrastructure and testing, with C, Python, Java, C# and PHP

LANGUAGES

- Dutch (fluent)
- English (fluent)