Kristof Polleunis

IT & Application Specialist

Software Development · Application Engineering · Technical Support

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Full-time or part-time · on-site or hybrid · Belgium

Master of Industrial Engineering (Biochemistry) — Katholieke Hogeschool Limburg

PROFILE

IT professional with experience in web and enterprise application development, medical software support, IT infrastructure and user training.

Combines hands-on development with practical troubleshooting, documentation and customer communication.

Recently designed, developed and shipped RegexPilot, an independent macOS application built with Rust and Tauri.

Also hands-on with Claude, OpenAI and DeepSeek, building AI workflows, agents and reusable skills.

Also thinks in English. Lived in Australia and New Zealand for two years.

SKILLS

Software development: PHP, HTML, CSS, ASP, Perl, ColdFusion, SQL Server

Modern development: Rust, Tauri, AI integration, desktop application development

AI & automation: Claude, OpenAI, DeepSeek, agent workflows, reusable skills, prompt and tool design

Systems: Linux, macOS, Unix, IT infrastructure

Application engineering: Installation, configuration, troubleshooting, implementation, technical support

Enterprise applications: Intranet platforms, HR applications, billing systems

Medical technology: SimPlant, 3D dental planning, implant libraries, clinical user support

Communication: Technical documentation, training, customer support, multilingual collaboration

EXPERIENCE

RegexPilot

2026 — present

Independent Software Developer / Founder · Belgium

- Designed, built and shipped a macOS visual regex builder using Rust and Tauri.
- Integrated AI-assisted drafting with bring-your-own-key and offline local models.
- Supports 21 regex engines with live match testing, replacements, unit tests, a pattern library and a two-way VS Code bridge.
- Released v1.4 on the Mac App Store; built solo over six months.

Family care

2014 — present

Family Caregiver · Lommel, Belgium

- Took a planned career break to provide full-time care for my youngest son, who requires additional support.
- Occasional freelance web development and related projects during the care years; completed a full home renovation and returned to independent software development with RegexPilot.

CVOLINO

2013 — 2014

HTML/CSS Trainer · Belgium

- Taught HTML and CSS to adult learners, from structure and styling to debugging.

Simply Intense

2013

Freelance ColdFusion Developer · Trinidad & Tobago

- Contributed ColdFusion (CFML) development as a freelancer for a Caribbean digital and creative agency.

Resto.be

2012

ColdFusion Developer · Belgium

- Hardened the Resto.fr and Resto.lu platforms against SQL and JavaScript injection attacks.

VZW Handicap & ambulante begeleiding

2011

ICT Manager · Belgium

- Managed IT infrastructure and support for a non-profit providing guidance to people with disabilities.

Trefpunt Zelfhulp 2010

PHP Developer / Web Application Developer · Belgium

- Built an interactive online platform and reporting questionnaire with PHP and MODX.
- Designed for users with varying levels of digital confidence.

KU Leuven — Media Centre / CUO 2008 — 2010

ICT Coordinator / Multimedia Trainer · Leuven, Belgium

- Managed IT infrastructure, laptops, usability labs and test equipment in the Faculty of Social Sciences.
- Delivered multimedia lectures, primarily on website construction.

Materialise 2006 — 2007

Application Engineer / Medical Software Support · Haasrode, Belgium

- Maintained SimPlant implant libraries and liaised with implant manufacturers.
- Installed, configured and troubleshot 3D dental planning software; supported clinicians and edited the product manual.
- Supported product adoption, trials and renewals.

UUNET / WorldCom / Verizon 2000 — 2005

Application Developer · Diegem, Belgium

- Developed and rolled out a pan-European intranet and online applications across EMEA, North Africa and the Middle East.
- Worked with Unix, Oracle and ColdFusion; applications ranged from HR tools to billing systems.
- Coordinated an external development team in India (around 20 people, three principal contacts) and performed analysis and specification for own projects.

Econocom 1999 — 2000

Junior Web Developer / Webmaster · Zaventem, Belgium

- Built websites and web applications for clients including INNO and the chocolatier Wittamer.
- Worked with PHP, HTML, CSS, ASP, Perl, SQL Server, Flash, Photoshop and Illustrator; maintained the company intranet.

SELECTED PROJECT

RegexPilot — visual regex builder for macOS — https://regexpilot.com

- Solo product design and development: Rust, Tauri, macOS, AI integration.
- Visual railroad-diagram canvas, 21 authentic regex engines, live testing, unit tests and VS Code integration.
- Shipped v1.4 on the Mac App Store.
- Supporting 21 engines required normalising syntax, feature support and match semantics across implementations.

EDUCATION

- Master of Industrial Engineering (Biochemistry) — Katholieke Hogeschool Limburg, 1998
- Webmaster — VDAB, 1999
- ColdFusion fast track — LR Tech, 1999–2000
- Active Server Pages 2.0 — BMA, 1999–2000
- Linux basics and system administration — Cevora, 2003–2004
- PHP — Cevora, 2003–2004
- SimPlant — Materialise, 2005–2006
- Bedrijfsbeheer — Syntra, 2007–2008
- Application developer, mobile applications — Erasmus Hogeschool / VDAB, 2011–2012

LANGUAGES

- **Dutch** — Fluent
- **English** — Fluent
- **French** — Fluent
- **German** — Advanced understanding
- **Spanish** — Very basic

PREFERENCES

- Open to full-time and part-time roles.
- Belgium; on-site or hybrid.
- Target areas: IT support, application engineering, software development, IT coordination and medical/technical application support.

References available on request. This is the ATS-friendly edition of the interactive CV at https://kristof-polleunis.pages.dev.