

THOMAS
VERHAVE

SOFTWARE DEVELOPER

Full-Stack · AI / LLM

CONTACT

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LANGUAGES & FRAMEWORKS

JavaScript · Vue.js
Angular · PHP · Python
Go · HTML5 · CSS
jQuery · Progress 4GL
WordPress · MySQL

AI & TOOLING

LangChain · LangSmith
RAG · Prompt engineering
Agent observability
Git · Azure DevOps
Agile / Scrum · Docker
Linux · Windows

EDUCATION

LLB (2 yrs)
North-West University

Dev Internship
MIP Holdings, 2017–18

Matric
Standerton Hoërskool, 2012

CERTIFICATIONS

Google AI / Prompting /
Agile Essentials
LangChain Academy
ISC2 Cybersecurity (CC)

LANGUAGES

English — Fluent
Afrikaans — Fluent
Japanese — Basic

PROFESSIONAL SUMMARY

Full-stack web developer with 7+ years across freelance, agency, and enterprise teams, building and maintaining production sites in JavaScript, Vue.js, Angular, PHP, and Python. Recently focused on **AI and LLM application development** — retrieval-augmented generation, LangChain, and agent observability — with a security-first mindset from formal cybersecurity training. Fast independent learner with 20+ industry certifications.

PROFESSIONAL EXPERIENCE

Freelance Developer / Technical Support

Self-Employed

2019–2024

- Built and maintained websites and digital solutions for diverse clients, including the Vue.js project Ocial.co.za
- Owned the full delivery lifecycle: builds, content, maintenance, deployments, and client support
- Completed 20+ professional certifications in development, AI tooling, and security

Software Developer

Nerospec

2019

- Web development in an IoT environment; exposure to Arduino, LoRaWAN, and Go within an Agile team

Software Developer

RedSeptember

2018

- Built and updated sites in Angular, Python, PHP, WordPress; mockups into responsive components

Junior Software Engineer / Intern

MIP Holdings

2017–2018

- Migrated Canadian clients from legacy systems to web platforms (Progress 4GL, HTML, JS, jQuery)
- Contributed to bug fixes and QA; assisted onboarding and training setup for new hires

SELECTED PROJECTS

RAG Document-Chat App

Python · LangChain

2025

- “Ask my documents” assistant over personal PDFs using retrieval-augmented generation

5D Etheric Manifold Solver

Python

github.com/Thom4sss

- Packaged physics solver with a passing automated test suite

Cisco Network Automation Portfolio

Labs

2025

- Network OS management and automation scripting with AI-enhanced operations