

Kamil Zwarycz

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PROFESSIONAL SUMMARY

Documentation Engineer and Technical Writer with 4.5 years building documentation systems that engineers actually use. Sole developer of production docs platforms at two companies — architecture, search (Meilisearch), CI/CD (GitHub Actions), AI automation, and the writing itself. Prototyped one of the first AI chatbots on a documentation site (2024), before it became a pattern. Collaborated with Google's ChromeOS team on Renode integration. Published 17 technical blog posts for expert engineering audiences. Codes in Python, TypeScript, JavaScript (React, Next.js), and Bash — no engineering dependency from writing to deployment. Also builds full-stack web applications independently: deployed e-commerce platform, SaaS in active development.

CORE COMPETENCIES

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|------------------------------|--------------------------|-----------------------------|----------------------|
| Documentation Engineering | Docs-as-Code & Sphinx | Meilisearch & Search Tuning | GitHub Actions CI/CD |
| REST & OpenAPI Documentation | AI / LLM-in-CI Workflows | Information Architecture | UX Writing |

WORK EXPERIENCE

Adverity December 2024 – Present

Documentation Engineer

- Sole developer of the documentation platform: Sphinx infrastructure, Meilisearch search engine (indexing pipeline, synonym rules, query tuning, zero-result analytics), GitHub Actions CI/CD (gated deploys, preview environments, automated validation), and custom TypeScript UI components — full stack owned alone.
- Led migration of 800+ pages from MadCap Flare: designed content-type taxonomy (tutorials, how-tos, reference, concept), made every IA decision independently, zero incidents since cutover.
- Built CI-integrated AI automation: GitHub Actions workflow diffs OpenAPI specs on every PR, identifies affected docs pages, and opens Jira tickets automatically — eliminated the "we shipped an API change and forgot to update docs" failure mode. Separate pipeline generates structured release notes from Jira data on a schedule.
- Built AI documentation assistant with a query rewriting layer: a curated terminology dictionary normalizes user queries to the correct product feature before retrieval — drastic reduction in "no relevant answer" failures compared to vanilla RAG. Added an analytics pipeline capturing page context, visible content at time of question, and answer quality signals to drive content strategy.
- Deployed CI-scheduled automation workflows for bulk consistency checks, changelog-to-draft generation, and cross-doc terminology audits — structured, versioned, testable task files integrated into the CI pipeline. AI handles the scanning; TW handles judgment.
- Used zero-result search data to systematically identify and close content gaps — converted top unanswered queries into documentation, measurably reducing search failure rate.
- Contributed UX writing directly with product and engineering: error messages, confirmation dialogs, tooltip copy, creation wizards — improving interface clarity at the copy layer, not just docs.
- Write and maintain documentation for a multi-product SaaS platform: Datastreams, Transformations, Data Quality, Destinations, dbt Projects integration, and REST API / Management API.

Catalogic Software November 2023 – November 2024

Technical Writer

- Owned the full documentation lifecycle for three enterprise data protection products: DPX (backup/recovery), vStor (ZFS-based storage, encryption, immutability), and GuardMode (ransomware detection). Sole TW across all three simultaneously.
- Wrote REST API references, Swagger documentation, and CLI guides for GuardMode and vStor: endpoint docs, auth flows, agent configuration, and request/response examples. Managed OpenAPI integration in GitBook with Git sync and version selectors across 5 major GuardMode releases.
- Prototyped one of the first AI chatbots on a documentation site — a conversational Q&A layer over GuardMode technical docs, built independently before AI documentation assistants became a recognized pattern.
- Migrated all three product doc sets to Docusaurus: structured content model, cross-product references, and multi-version management configured from scratch.

Technical Writer

- Collaborated with Google's ChromeOS team to document the CrOS EC Tester integration with Renode for CI-driven fingerprint microcontroller testing (STM32F412, STM32H743) — eliminated hardware reflashing from Google's CI pipeline. First major external collaboration for the Renode project.
- Wrote and maintained documentation for Renode (OSS embedded simulation framework, global users including Google, Arm, Nordic) — machine configuration, peripheral modeling, networking, HDL co-simulation, BLE simulation, execution tracing.
- Published 17 technical blog posts on Antmicro's engineering blog for expert hardware and embedded engineering audiences: ARM Cortex-A/R/M, FPGA/ASIC co-simulation, BLE/IoT, Zephyr RTOS porting, safety-critical systems, edge AI hardware.
- Built a real-time collaborative markdown editor using React and Yjs (CRDTs) over WebSockets — deployed to the technical writing team, enabling simultaneous multi-user editing with conflict-free sync.
- Built a docs overlay tool deployed to the engineering team: a contextual feedback layer over the developer-facing docs, letting engineers annotate, flag issues, and suggest changes inline without exposing anything to end users.
- Coordinated documentation contributions from a globally distributed embedded engineering community — reviewed technical submissions, maintained content quality and consistency.

PROJECTS

E-commerce Platform (Self-hosted, Deployed)

Built and deployed a production e-commerce platform serving real customers — Next.js storefront connected to a self-hosted MedusaJS backend. Provisioned and hardened a VPS from scratch (firewall rules, backups, SSH hardening, service monitoring). Built an LLM-powered product description pipeline that adapts all copy into multiple languages with custom terminology and tone guidelines per market. Designed all UX and visual identity. Full product lifecycle from infrastructure to customer-facing UI delivered alone.

Tech: Next.js, MedusaJS, LLM automation, VPS, Linux

Contractor Project Visualizer (SaaS, Pre-launch)

Multi-tenant SaaS for contractors to visualize project scope with itemized cost breakdowns — built to solve the trust gap between contractors and clients when quoting work. Full SaaS architecture: authentication, Stripe payments, access control, tenant isolation. Uses Zero-cache (Rocicorp) for real-time canvas state sync — edits propagate instantly without polling, enabling smooth co-viewing sessions. Handled all product design, branding, UX, and engineering. Currently in final pre-launch testing.

Tech: Next.js, TypeScript, Zero-cache, Stripe, PostgreSQL

EDUCATION

Master of Science in Computer Science — Uniwersytet WSB Merito w Gdańsku

2022 – 2024

- Specialization: Web Development - Master's thesis: Comparison of Efficiency and Applications of JavaScript and WebAssembly in the Context of Web Application Development

Bachelor of Arts in International Business — University of Gdańsk

2019 – 2022

- Bachelor's thesis: Cloud Computing in the Information Logistics on the Example of Microsoft Azure, Heroku, and Salesforce

CERTIFICATIONS

Microsoft Certified: Azure Fundamentals

Microsoft Certified: Azure Data Fundamentals

Getting Started with Enterprise Data Science

Getting Started with Enterprise-grade AI

Prompt Engineering Specialization

SKILLS

Professional Skills

Technical Writing & Documentation Strategy · Information Architecture & Content Audits · API Documentation (REST, OpenAPI/Swagger) · Docs-as-code Workflows · Search Engine Implementation & Tuning (Meilisearch) · CI/CD for Documentation (GitHub Actions) · AI-Augmented Documentation Workflows (Claude, LLM integration) · Custom AI Agent / Skill Authoring (Claude Skills, structured prompts) · Python & Bash Automation Scripting · UX Writing (interface copy, error messages, tooltips, wizards) · Frontend Development (React, Next.js, TypeScript) · Real-time Application Development (Yjs CRDTs, WebSockets) · Full-stack Web Application Development · Linux System Administration & VPS Management · Code Analysis (Python, C#, JavaScript) · Agile Methodologies

Technologies

Languages: Python, JavaScript (React, Vue, Svelte), TypeScript, Next.js, Bash, WebAssembly · **Documentation Tools:** Sphinx, Docusaurus, MadCap Flare, GitBook, Markdown, reStructuredText · **Infrastructure:** Git, GitHub Actions, Docker, Meilisearch, n8n, Linux, VPS · **AI Tools:** Claude (Anthropic), custom skill authoring, LLM-in-CI pipelines, RAG systems, AI chatbot deployment, prompt engineering · **Real-time & State:** Yjs (CRDTs), WebSockets, Zero-cache (Rocicorp) · **APIs & Standards:** REST APIs, OpenAPI/Swagger, YAML, Stripe · **Productivity:** Jira, Confluence, Draw.io