

# Dawid Skrzypczyński

Senior Software Engineer



## ABOUT

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Senior Software Engineer working end-to-end across backend, frontend, infrastructure, and the AI layer — designing LLM features, owning the safety and quality layer around them, and shipping product.

Ambitious, hard-working, product-minded. I care about shipping things that hold up — code that's easy to change, models that don't quietly drift, products that earn user trust.

## EXPERIENCE

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### Senior Software Engineer

Symmetrical.ai · Nov 2025 – Present · Full-time

Building an AI-native product for accountants — end-to-end across backend, frontend, infrastructure, and the AI layer.

- **Designed and shipped production LLM features end-to-end** — intent classification, structured data extraction, retrieval-augmented generation (RAG), and content drafting flows.
- **Built multi-step agent pipelines** on Mastra and the Vercel AI SDK — tool use, strict-schema outputs, vision-based document understanding, multi-tenant vector retrieval.
- **Owned the safety and quality layer** — retrieval grounding, confidence scoring, hard validation gates, drift detection in production.
- **Optimized the AI stack across OpenAI and Anthropic** — prompt engineering, model selection, reasoning-effort tradeoffs, schema reduction — balancing latency and cost at production scale.
- **Delivered full-stack features** on TypeScript / GraphQL services and Next.js / React dashboards over multi-tenant PostgreSQL with fine-grained authorization via OpenFGA.
- **Set the engineering bar** — security-focused code review, integration testing against real services, conventions for new domain modules.

### Principal Frontend Engineer

Symmetrical.ai · Aug 2023 – Nov 2025 · Remote

- **Scaled the frontend team** — hiring, 1:1s, performance reviews, mentorship, career-growth plans.
- **Built and owned the company's design system** — component library, design tokens, documentation, cross-team adoption.
- **Architected the Nx monorepo** — shared code, dependency boundaries, CI/CD pipelines, app generators.
- **Set the engineering bar** — code-review standards, testing conventions, RFC process, technical direction.
- **Led platform-wide initiatives** — performance budgets, accessibility standards, error and observability instrumentation.

### Senior Frontend Engineer

Symmetrical.ai · Jun 2021 – Aug 2023 · On-site

- **Owned key product surfaces end-to-end** — feature design, implementation, code reviews.
- **Extended the design system** — new components, patterns, accessibility improvements.
- **Led technical migrations** — incremental refactors, architecture upgrades, dependency hygiene.
- **Mentored junior engineers** — pair programming, onboarding, code reviews.

### Frontend Engineer

Symmetrical.ai · Jan 2019 – Jun 2021 · On-site

- **Shipped product features end-to-end** on a React + TypeScript stack.
- **Built complex UI flows** integrated with GraphQL services, REST APIs, and microservices.
- **Established frontend foundations** — testing patterns, code conventions, build tooling.

### Front End Developer

Data Invest · Nov 2016 – Dec 2018 · Toruń, Poland

- **Delivered product UIs** across multiple client projects — SPA dashboards and marketing sites.
- **Worked across the stack** — JavaScript, CSS, build tooling, deployment to production.

### Full Stack Web Developer

Ideare · Jul 2015 – Jul 2016 · Poland

- **Built full-stack web applications end-to-end** — frontend, backend, deployment.
- **Delivered features and fixes** across multiple client engagements.

## SKILLS

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### AI / LLM

OpenAI, Anthropic, retrieval-augmented generation (RAG), vector retrieval, Mastra, Vercel AI SDK, prompt engineering, agent pipelines, tool use, structured outputs, vision models, drift observability, latency & cost tuning

### FRONTEND

TypeScript, React, Next.js, design systems, Nx monorepo, GraphQL, Prisma, OpenFGA, Bun, accessibility, performance optimization, testing

### BACKEND

TypeScript, Node.js, GraphQL, REST APIs, PostgreSQL, multi-tenant architecture, fine-grained authorization

### PRACTICE

code review, integration testing, CI/CD, technical leadership, team management, mentorship, hiring, RFC process

## EDUCATION

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### Nicolaus Copernicus University, Toruń

M.Sc. in Computer Science · 2015 – 2016

B.Eng. in Computer Science · 2011 – 2015