

Max Degterev

Fractional CTO

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TECHNOLOGIES

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|--------------------------|-----------------------|-----------------------------|
| • TypeScript, JavaScript | • Express.js, Next.js | • Python, FastAPI |
| • React, Vue.js | • Drizzle, Prisma | • vLLM, GitHub Actions |
| • React Native, Expo | • PostgreSQL, Redis | • Azure Pipelines, AWS, S3 |
| • Node.js, Nest.js | • BullMQ, AI SDK | • Docker, Vitest, Puppeteer |

EXPERIENCE

Freelance projects

Ynfinite, January 2026 - Present

- Played a core role in sketching the architecture and building the product, a European Webflow competitor.
- Architected a flow-based CMS configuration system with React Flow, custom graph state, and node/edge interactions.
- Built a flexible visual Freeform Editor with recursive drag-and-drop, rich text editing, and data bindings.
- Developed extensible inspector and reference systems for page links, components, and assets.
- Built advanced CMS capabilities including interactive maps, content-type editing, and CRM-connected forms.

Technologies: TypeScript, React, Nest.js, Express.js, Prisma, PostgreSQL, Redis, BullMQ, Tailwind, Radix UI, TanStack Router, TanStack AI

BidPoint, April 2025 - June 2026

- Worked on a tender processing, search and automation system
- Led the full buildout of a large data ingestion pipeline with RAG, LLM data extraction, and agentic workflows for company matching, and managed the dev team.
 - Architected a production RAG platform for large-scale tender and document data, from ingestion to retrieval.
 - Built a custom hybrid search engine combining vector search, BM25, and domain-specific filtering.
 - Engineered high-throughput document processing pipelines with asynchronous workers, queues, and deduplication.
 - Built AI-powered research and conversational systems, including LLM agents, tool calling, and contextual tender chat.
 - Architected and scaled the backend across PostgreSQL, S3, microservices, and CI/CD, including a migration away from PayloadCMS.
 - Processed 5B tokens a month with fully searchable hybrid search on self-hosted models.

Technologies: TypeScript, React, Node.js, Next.js, Drizzle ORM, PostgreSQL, ParadeDB, pgvector, Next-Auth, JWT, Docker, Kubernetes, AWS, CloudFlare, Traefik, Groq, Vitest, Figma

Overfly, November 2025 - December 2025

Worked on a marketing campaigns evaluation and automation project

- Built organization-based auth, access control, and management.
- Improved application architecture, maintainability, and developer tooling.
- Stabilized AI tooling and strengthened backend infrastructure.

Technologies: TypeScript, React, Next.js, Prisma, PostgreSQL, BetterAuth, Tailwind, Radix UI, AI SDK, Playwright

devuto, June 2025 - November 2025

Worked on a coaching app tailored to achieving professional goals

- Developed "AI Agents" that were designed to hand over control for certain parts of the conversation with full context customization.
- Developed tools such as semantic search via conversation history, knowledge graphs, memories, and conversation control.
- Created fully hands off "Voice assistant" mode.

Technologies: TypeScript, React, Next.js, Drizzle ORM, PostgreSQL, Clerk, Tailwind, Shadcn, Vercel, Google Cloud Platform, Groq, ElevenLabs, Neon

SUMM AI, May 2025 - June 2025

Worked on a browser widget for automatic content translation

- Created a lightweight, zero-dependency widget for live website content translation with full support for single-page applications.
- Added multi language support, simple language support and context/layout aware translations.

MatchDispatch, October 2024 - April 2025

Worked on a cold outreach automation platform.

- Developed queueing architecture to support running large amounts of background tasks in parallel.
- Integrated multiple email sending providers.
- Implemented an LLM based data enrichment process.

Technologies: TypeScript, React, Node.js, Next.js, Drizzle ORM, PostgreSQL, Next-Auth, JWT, Docker, Kubernetes, AWS, CloudFlare, Traefik, Groq, Jest, Figma

Buildery, July 2024 - October 2024

Led the development of a site-building platform from the ground up.

- Designed a scalable, cost-effective cloud architecture.
- Managed seamless deployment across testing and production environments.
- Integrated an LLM-based AI autocomplete feature for user input in any language.
- Built an AI-native CMS and website engine from the first line of code to infrastructure deployment.

Technologies: TypeScript, React, Node.js, Express, Next.js, Drizzle ORM, PostgreSQL, Next-Auth, JWT, GitHub Actions, Docker, Kubernetes, AWS, CloudFlare, Traefik, OpenAI, Groq, Jest, Figma

Stacklist, May 2024 - July 2024

Worked on a social media platform for travel bloggers, bringing the product from a prototype to a launchable MVP.

- Helped develop meta scrapers and integrate Stripe checkout.
- Performed performance, stability and penetration tests.

Technologies: TypeScript, React, React Native, Expo, React Query, Node.js, Vite, Next.js, Firebase, Firebase Auth, JWT, Vercel, OpenAI, Pinecone, Tailwind, Headless UI, Jest, Figma

Cooko, January 2024 - May 2024

Worked for a cocoa production company as a fractional CTO/CPO, digitizing internal processes and improving traceability.

- Set up cloud architecture ensuring quick development pace and good maintainability.
- Created and iterated on product roadmaps.
- Worked on implementing an API, React Native mobile app, web dashboard and an admin panel.
- Helped form an in-house engineering team and set up a sustainable remote working culture.

Technologies: TypeScript, React, React Native, Expo, React Query, Node.js, Strapi, Koa, Next.js, PostgreSQL, PostGIS, Redis, Bun, Next-Auth, JWT, GitHub Actions, Docker, Kubernetes, DigitalOcean, Jest, Figma, MapLibre

GAIA, November 2022 - April 2023

Joined a legal tech startup as Frontend Team Lead, responsible for overseeing the technical development of the company's MVP project and establishing best practices, processes, and deployment procedures.

- Architected and rebuilt the frontend platform, including authentication, routing, networking, i18n, error handling, and CI/CD.
- Built a complex, API-driven ESOP product with dynamic forms, multi-step workflows, document handling, charts, and company/cap table management.
- Established scalable frontend architecture through reusable components, strict TypeScript, testing, observability, and developer tooling.
- Led hiring and built core product features.

Technologies: TypeScript, React, SWR, Vue.js, Node.js, Next.js, Nuxt.js, Auth0, JWT, GitHub Actions, Docker, DigitalOcean, Figma

EVVA, September 2021 - March 2022

Developed the next generation of internal tooling to replace a Windows-based desktop app.

- Built a high-performance 100,000x100,000 data grid with virtualization, caching, range selection, filtering, sorting, and real-time API integration.
- Engineered complex spreadsheet-like interactions including inline editing, keyboard navigation, multi-range selection, drag-and-drop reordering, resizing, transposition, and validation.
- Architected the frontend from the ground up, including state management, networking, i18n, authentication, deployment pipelines, and scalable data-loading architecture.

Technologies: JavaScript, React, Redux, StyledComponents, Material UI, Azure Pipelines, Jest

Co-Founder, CTO

flashfix.app, Berlin, September 2021 - April 2023

Digitized Germany, one bike repair company at a time.
- Developed backend for automation of bike inspections
- Standardized flows for easier UVV-Prüfung processing

Technologies: JavaScript, Strapi, Next.js, PostgreSQL, Nginx, DigitalOcean, S3

Team Lead (Front-End)

nebenan.de, Berlin, September 2015 - August 2021

Had a lot of fun developing your friendly local social network for neighborhoods. Active in 4 countries!

- Developed several iterations of the main social media website
- Developed business and non-profit facing management interfaces
- Developed internal machine learning flows to fight spam and abuse
- Developed custom on the fly image processing to improve load times

Technologies: JavaScript, React, Redux, Sass, Webpack, Express.js, Node.js

Lead Software Engineer

swiftgift.me, London, October 2014 - September 2015

Toiled away as a Lead Engineer, developing a custom E-Commerce platform.

- Designed and developed a custom marketplace engine
- Integrated with Rakuten, Facebook, and multiple other data providers

Technologies: JavaScript, Vue.js, Sass, Node.js, Express.js, PostgreSQL, Redis, Hetzner

Senior Software Engineer

moviepilot.com, Berlin, June 2013 - October 2014

Watched a lot of movies, worked on a media website covering news about them.

- Implemented mobile version of the website
- Re-designed desktop website to follow the same architecture
- Developed custom server side rendering to improve SEO

Technologies: JavaScript, CoffeeScript, Backbone.js, jQuery, Grunt.js, Gulp.js, Node.js, Stylus

Software Engineer (Front-End)

ostrovok.ru, Moscow, May 2011 - June 2013

We shipped the #1 booking.com competitor in Russia.

- Implemented frontend for all core features: search, mapping, clusterization, booking flows
- Worked on experimental social media and marketing projects
- Implemented mobile version of the website optimized to run as PWA

Technologies: JavaScript, Backbone.js, jQuery, Grunt.js, Node.js, SCSS, Redis

Freelance Software Developer

US (Remote), November 2007 - December 2012

Had fun working on (and playing) video games and such.

- Wrote custom extensions for game servers using C++, C#, and Pawn

- Managed a fleet of Ubuntu and Windows servers
- Implemented custom extensions for phpBB and Wordpress

Technologies: JavaScript, Backbone.js, jQuery, Grunt.js, Node.js, PHP, Laravel, CodeIgniter, Sass, MySQL

EDUCATION

Bachelor, Telecommunications engineering

Moscow Technical University of Communications and Informatics
September 2006 - April 2012

Bachelor, Computer science

Moscow Institute of International Social and Humanitarian Relations
January 2007 - June 2011