

Max Gertzen

SENIOR FULL-STACK ENGINEER

max@maxgertzen.com · linkedin.com/in/maxgertzen · github.com/maxgertzen · maxgertzen.com

Remote · Chiang Mai, Thailand (GMT+7) · Contract via Greatwhale Solutions Ltd (HK)

Native: English · Russian · Hebrew

SUMMARY

I architect the platforms teams build on, and I ship complete products end to end on my own - lately AI-native ones built on modern LLMs. Six-plus years deep in React and TypeScript up front, Node and .NET behind, I move fluidly between shaping architecture and platform foundations on a team and owning a product solo, from empty repo to something real in use. I build on the OpenAI and Anthropic APIs, from LLM tools to multi-agent systems, and I run my own contracting company, Greatwhale Solutions (HK). Trilingual in English, Russian, and Hebrew, I bring a maker's appetite for building systems from nothing and making them feel as good as they work. I'm looking for senior IC or engineering-lead work where range and craft both count.

EXPERIENCE

ChargeAfter Inc. - Senior Full-Stack Engineer

Oct 2021-Present · Remote

(Employee Oct 2021-late 2025; contractor via Greatwhale Solutions Ltd from Jan 2026 - scope unchanged)

A multi-lender consumer-financing platform embedded into retailers' checkout (point-of-sale), connecting shoppers with lenders across the US market.

- Played a key engineering role in migrating a legacy Angular monorepo to an NX-modular React architecture with module federation - setting up the React lenders monorepo and defining the base-UI + per-lender micro-frontend pattern.
- Authored the engineering guidelines now used by 4 teams across 30+ lender integrations, and ran the migration training (English and Russian) that moved most of the org onto the new stack.
- Shipped 20+ lender integrations end-to-end - from design handoff through to production - each delivering 3-12 custom UI screens with animations and responsive components, coordinated with bank, client, and product teams on both sides.
- Built an internal integration testing harness that let lenders and QA teams run full checkout-flow tests without developer involvement - adopted by the entire QA team in its first year, cutting round-trip communication cycles and enabling clients to automate their own validation.
- Served as technical anchor for a team of 10 developers - conducting code reviews, establishing best-practice standards, and running documentation and training sessions that reduced repetitive questions and shortened PR turnaround time.
- Extended backend services in .NET/C#, designing and maintaining REST APIs that connected the consumer-facing checkout flow to third-party lender systems across ~10 integrations.
- Contributed to the shared component library, design system, and TypeScript abstractions that standardise how lender UIs connect to the ChargeAfter platform.

Tech stack: React, Nx, TypeScript, Storybook, Material UI, LaunchDarkly, .NET/C#, MongoDB, Azure, GCP, Docker, Zendesk

Freelance Web Development · Independent clients

2018-Present · (via Greatwhale Solutions Ltd from Jan 2026)

Clients include: Asis Wines · Radical Publishing · United Seats · Lilla Roma Weisselberg · Rafi Balbirsky Art · Ori Naturepath

- Delivered end-to-end web solutions for small business and creative clients: e-commerce builds on Shopify, custom WordPress sites with third-party integrations, and ongoing SEO and performance optimisation.
- Built business process automation for Asis Wines - integrating CRM, invoicing, and communication workflows via n8n and Google Apps Script, reducing manual admin overhead across the team.
- Delivered a WordPress ecommerce site for United Seats - a returning engagement with a former employer (see in-house tenure below).

Tech stack: React, Shopify (Liquid), WordPress (PHP), Cloudflare, Google Search Console, n8n, Hostinger

United Seats Ltd. - Integration Project Manager / Client Manager

Oct 2017-Jan 2021

A leading commercial-furniture supplier for the hospitality, office, and institutional sectors (restaurants, hotels, bars, offices), with a B2C retail and ecommerce arm.

- Led a year-long warehouse management system (WMS) rollout in a new warehouse, coordinating directly with the WMS vendor's engineers and the client's ERP team to translate the existing sales, import, and inventory flow into the new system.
- Drove change management and trained warehouse staff on barcode-scanner workflows they had never used, keeping cutover on schedule despite resistance.
- Managed client-facing delivery of large commercial furnishing projects - complex logistics, special imports, and automation that cut manual processing across the fulfillment cycle.

SELECTED PROJECTS

Sage - Personal AI project (deployed, private/whitelisted access) · Python, FastAPI, OpenAI API, Redis, Docker
Multi-service AI app, private to a small set of whitelisted users: a Telegram bot with an LLM topic classifier, a FastAPI microservice computing natal charts via Swiss Ephemeris, OpenAI vision for interpreting tarot-spread photos, and Redis-cached sessions. Dockerised on a VPS.

withjosephine.com - Full-stack services site · Next.js 16, Cloudflare Workers, Sanity CMS, Stripe, Cloudflare D1/R2
A solo practitioner's client-services business, edge-deployed on Cloudflare Workers. Sanity CMS with live preview, Stripe payments with webhook reconciliation, D1 + R2 storage, Durable Objects for scheduled emails, Sentry + Mixpanel observability, Vitest-tested. Online booking is one feature, not the product.

Email Classifier - Provider-agnostic LLM classification library · TypeScript, Zod

A shared library that classifies email via a two-stage pipeline (a deterministic prefilter feeding an LLM), with swappable providers - Anthropic, Google Gemini, or a local Ollama model. Shipped into production automations for mailbox categorisation and a client invoice workflow.

maxgertzen.com - Next.js 14, TypeScript, Tailwind CSS, Vercel

Personal website with dark/light mode, scroll-based navigation, and a contact form with reCAPTCHA v3, XSS sanitisation, and rate limiting.

SKILLS

Front-End: React, TypeScript, JavaScript (ES6+), HTML5, CSS3, Next.js, Tailwind CSS, Nx (monorepo), Module Federation, micro-frontends, Storybook, Material UI, React Native, Figma

Back-End: Node.js, Express, .NET/C#, ASP.NET, Python (FastAPI), REST APIs, microservices, webhooks, Stripe integration

AI & Tooling: OpenAI API, Claude/Anthropic SDK, LLM integration, agent architectures, prompt engineering

Databases: MongoDB, Redis, SQL, MySQL, Cloudflare D1

DevOps: Docker, Docker Compose, CI/CD, Azure DevOps, GCP, Cloudflare (Workers/R2/D1), Vercel, Git, LaunchDarkly

Testing: Cypress, Jest, Vitest, React Testing Library

Practices: Agile/Scrum, code review, design systems, monorepo architecture, technical documentation (Jira/Confluence), mentorship

EDUCATION

Full-Stack Bootcamp · WeCode/Experis · 2021

Full-Stack Bootcamp · Elevation · 2018

COURSES

Clean Code (Schwarz Müller) · TypeScript for Professionals (Basarat Ali Syed) · C# Basics / Intermediate / Advanced (Mosh Hamedani)

LANGUAGES

Native: English · Russian · Hebrew

Greatwhale Solutions Ltd is a HK-registered company. Available for B2B contracts. Rate on request.

Beyond code: I make electronic music, sculpture, and performance art.