

Jens-Mikael Stjernberg

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🌐 <https://www.stjernberg.dev/> | 🐙 <https://github.com/Jens-Mikael>

TECH SKILLS

- **Languages & Web Technologies:** TypeScript, JavaScript, Python, SQL, HTML/CSS, REST API, GraphQL, WebSockets, Server-Side Rendering (SSR)
- **Frameworks, Libraries & Tools:** React, Next.js, Node.js, Express.js, NestJS, Vite, Svelte, Tailwind CSS, ShadCN/UI, Drizzle ORM, TypeORM, Prisma, Matrix-SDK-JS, Jest, Zustand, CI/CD, Testing
- **Databases & Cloud:** PostgreSQL, MySQL, MongoDB, Firebase (Firestore, Auth), Redis, Pinecone, Vector Embeddings, AWS (ECS, EC2, Fargate, ALB, RDS Lambda, ElastiCache, CDK), GCP, Vercel, Cloudflare, Azure, Docker, Serverless, Microservices
- **AI, Systems & DevOps:** OpenAI, DeepSeek, LLMs, RAG (Retrieval-Augmented Generation), Machine Learning, LangChain, LightGBM, Gradient Boosted Trees, ONNX, Valkey, Authentication & Authorization (OAuth, JWT), Git, GitHub, GitLab, Jira, Confluence, CMS, UI/UX, Operating Systems, Raspberry Pi

WORK EXPERIENCE

Velocitra: *Fullstack, ML, Infra, DevOps & Engineering Lead*

06/2025 - Present

- Built end-to-end machine learning (ML/AI) pipelines, from raw data ingestion to feature engineering and prediction serving.
- Developed predictive models and APIs delivering real-time insights based on historical and live data.
- Designed high-performance SQL systems for complex feature generation and aggregation at scale.
- Architected backend infrastructure for scalable ML deployment, integrating APIs, databases, and cloud services.
- Collaborated on AI-driven solutions focused on prediction accuracy, system performance, and real-world applicability.

LokotaAI: *Full-Stack Engineer*

03/2025 - 07/2025

- Built a full-featured SaaS AI widget from the ground up for website-integrated customer support, featuring universal compatibility and instant deployment.
- Engineered a production-ready RAG pipeline with LLM integration, adaptive multilingual support, and real-time learning via machine learning feedback loops.
- Developed advanced abuse detection with rate limiting, TOR-node detection, and IP monitoring, alongside frictionless no-login user access.

EduPay Manager: *Lead Developer & System Architect*

04/2025 - 06/2025

- Designed and implemented a robust payment management SaaS for schools, streamlining payment tracking for class trips and shared expenses.
- Delivered an industry-grade solution with user-friendly dashboards, role-based access control, and secure transaction tracking tailored to educational institutions.
- Ensured high scalability, data integrity, and ease of use for non-technical users, aligning with Swiss compliance and school operational needs.

OnePointCode: *Frontend Developer*

06/2024 - 01/2025

- Spearheaded the full frontend architecture for a high-performance web app, enhancing UI/UX, responsiveness, and SEO with Next.js.
- Migrated real-time chat from WebSocket/REST to Matrix SDK, cutting latency, downtime and boosting performance 10x.
- Integrated Jitsi Meet for video calls, delivering seamless cross-platform communication with advanced state management.

Hansatorin Apteekki: *Lead Software Engineer*

07/2024 – 12/2024

- Independently developed and deployed a full-stack pharmacy web app, driving a 30% boost in conversions through UX and layout improvements.
- Replaced costly hosting with a near-zero-cost infrastructure, and built a CMS for dynamic content using Google Sheets.
- Improved SEO and organic traffic; replicated the platform for a second pharmacy to support multi-site scalability.

Roof History: *Lead Backend Engineer*

04/2024 – 10/2024

- Built a scalable backend using PostgreSQL + DrizzleORM with CRUD features in TypeScript and Next.js.
- Implemented secure authentication with email/password and Google OAuth, and enforced robust route protection through Google's API
- Integrated Google Maps API for street address validation, optimized UI/UX, and improved SEO for higher visibility.

REFERENCES

Kim Widell

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Dan Sveen

Project Manager, Roof History
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LANGUAGES I SPEAK

- Finnish – native
- Swedish – native
- Norwegian – fluent
- English – fluent
- German – conversational

EDUCATION

Björneborgs Svenska Samskola || Pori, Finland

2013/2023

Primary School

GPA: 9.8/10

2023/2026

High School

GPA: 9.57/10

E - Maths (MAA)

E - Physics

E - German

E - Finnish