Jens-Mikael Stjernberg

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🌐 https://www.stjernberg.dev/

LANGUAGES I SPEAK

- Finnish, Swedish, Norwegian, English, German

TECH SKILLS

- Python, Go, JavaScript, Typescript, RestAPI, SQL, HTML/CSS, React, Next.js, Tailwind CSS, Drizzle ORM, ShadCN, PostgreSQL, Node.js, Nest.js, Next.js, Express.js, Matrix-sdk-js, UI/UX, MongoDB
- Operating Systems, Raspberry PI, Frontend, Backend, Web development, Cloud Computing, AWS, Vercel, Docker, Cloudflare, Google Cloud (GCP), CMS
- Git, Github, Gitlab, Jira

WORK EXPERIENCE

OnePointCode: *Frontend Developer*

06/2024 – 01/2025

- **Frontend Development and UI/UX Enhancement:** Led the design and implementation of the entire frontend for a complex web application as part of a four-person team, significantly improving UI/UX, mobile responsiveness, performance, and memory optimization.
- **Real-Time Chat System Migration:** Led the migration of a real-time chat system from a low-performing architecture reliant on WebSockets and REST APIs to a client-centric model using the Matrix SDK, reducing latency, simplifying data flow, and improving performance by 10x, boosting user experience and scalability.
- **Real-Time Communication Integration:** Led the seamless integration of Jitsi Meet for video calls and a real-time messaging system, enabling smooth video and text interactions with responsive, cross-platform compatibility.
- **Web Application Optimization and Advanced Features:** Led the optimization of state management and SEO using Next.js, ensuring high performance, fast load times, and improved search engine visibility for higher traffic.

Hansatorin Apteekki: *Lead Software Engineer*

07/2024 – 12/2024

- **Full-Stack Application Development:** Built and launched a fully functional web application for a pharmacy, leading the entire development process independently from start to finish.
- **UI/UX Design and Conversion Optimization:** Designed and implemented an intuitive user interface and experience, increasing the pharmacy's conversion rate up to 30% through thoughtful layouts and streamlined user journeys.
- **Cost-Efficient Infrastructure:** Replaced the previous hosting and maintenance solution with a nearly cost-free alternative, significantly reducing ongoing expenses for the business.
- **Efficient CMS:** Engineered and developed a solution for dynamic content management regarding opening hours and closure exceptions on Google Sheets.
- **SEO and Traffic Growth:** Boosted website traffic through advanced SEO techniques, improving search rankings while integrating seamless contact options for enhanced communication between the pharmacy and its clients.

- **Feature-Rich Functionality:** Implemented product search capabilities, showcased available services, and replicated the solution for the owner's second pharmacy, ensuring consistency and scalability across locations.
- **Domain and Communication Setup:** Configured DNS records and set up a professional email system with the domain, enhancing the business's online presence and reliability.

Roof History: *Lead Backend Engineer*

04/2024 – 10/2024

- **Database and Backend Architecture:** Designed and engineered the database structure using PostgreSQL with DrizzleORM, and developed the backend architecture in Next.js with TypeScript to ensure scalability and performance.
- **Authentication and Security:** Implemented seamless authentication with email/password and Google OAuth, incorporating efficient route protection to secure user access.
- **UI/UX Optimization and Bug Fixing:** Improved the frontend UI/UX by addressing issues left by the previous developer, enhancing usability and user experience while ensuring a visually appealing design.
- **SEO and Traffic Enhancement:** Boosted the website's SEO to improve its search engine rankings and increase visibility, resulting in more organic traffic.
- **Cloud Hosting and API Integration:** Hosted the application on Vercel for optimal performance and scalability, while integrating Google Cloud's API for street address verification, ensuring accurate user inputs and data integrity.

EDUCATION

Björneborgs Svenska Samskola || Pori, Finland

2013/2023

Primary School
    GPA: 9.8/10

2023/Present

High School
    Relevant Info: Currently in my second year of High School
    in Pori studying Mathematics and Physics