

HANS ELDE

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PROFESSIONAL SUMMARY

As a software engineer, I specialize in building solutions that address the real needs of users, whether it's healthcare providers in low-resource settings or developers managing complex systems. I work across both frontend and backend technologies, continuously improving my skills and embracing new tools to better solve meaningful problems.

PROFESSIONAL EXPERIENCE

Self-Employed

Freelance Software Engineer

Seattle, WA, USA

August 2024 - Present

- Enhanced user experience and website accessibility for a non-profit publication by improving mobile responsiveness, simplifying navigation, and fixing content display bugs, using HTML, CSS, and Ruby.

ThinkMD

Full Stack Software Engineer

Remote

May 2023 - August 2024

- Significantly enhanced deployment reliability and operational efficiency by leading the automation of deployment processes for staging and production environments using Jenkins and Terraform.
- Reduced future maintenance overhead and improved system efficiency by refactoring critical Node.js and Python software components, which included removing over 5,000 lines of obsolete functionality and enhancing documentation.
- Achieved a 10% improvement in app response times and streamlined frontend-backend interactions by refining SQL queries and adjusting PostgreSQL schema.
- Enhanced data handling reliability and eliminated data loss in regions with poor connectivity by overhauling Vue.js front-end service worker synchronization logic.
- Collaborated with cross-functional teams and supported a non-technical team member in understanding key software engineering principles and our codebase, enabling them to contribute more effectively to team projects.

Skopos

Co-Creator, Software Engineer

Remote

August 2022 - January 2023

- Delivered scalable, reliable API monitoring capabilities by designing and building key features with TypeScript, Apollo GraphQL, and AWS (S3, EC2, ECS, EventBridge, Lambda, and RDS).
- Improved the efficiency and maintainability of multi-step API tests, simplifying test execution architecture and enhancing code readability through a containerized state machine using TypeScript, XState, Express, Apollo Client, and Docker.
- Enabled 10x increased test execution capacity with a multi-tenant auto-scaling solution, allowing parallel API test execution using Docker, ECS, and EC2.
- Automated cloud infrastructure setup and teardown, minimizing manual effort and reducing deployment time with AWS CDK.
- Authored and edited a technical case study, detailing trade-offs, architecture decisions, and potential use cases for Skopos to inform future improvements.

Pike Place Market PDA

Security Officer

Seattle, WA, USA

June 2019 - June 2022

- Led and mentored a diverse team, training new employees in communication skills and teamwork while organizing and conducting investigations and producing analytical reports.

EDUCATION

Google Cloud Platform (GCP)

Certification, Associate Cloud Engineer

Launch School

Bootcamp, Software Engineering

Western Washington University

Bachelor's, History

September 2012 - June 2015

SKILLS

Skills: Node.js, AWS, Docker, JavaScript, Git, React.js, SQL, TypeScript, NoSQL, Python, Google Cloud Platform, Postgres, Agile