



# HANS ELDE

Software Engineer

Seattle | [linkedin.com/in/hans-elde](https://www.linkedin.com/in/hans-elde) | [github.com/eldehan](https://github.com/eldehan)

## WORK EXPERIENCE

### THINKMD

Fullstack Software Engineer | May 2023 - Aug 2024

- Developed key TypeScript-based API using NestJS, directly interfacing with our core clinical logic platform to enable external integrations and ensure secure, scalable access to clinical functionalities.
- 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.
- Mentored team member on software engineering principles and our codebase, providing ongoing guidance to support their growth and contribution to the team.

### SKOPOS

Co-Creator, Software Engineer | Aug 2022 - Jan 2023

- Designed and built key features of API monitoring tests using Typescript, Apollo GraphQL, and AWS (S3, EC2, ECS, EventBridge, Lambda, and RDS).
- Simplified test execution architecture and improved code readability by developing a containerized state machine for multi-step API tests using TypeScript, XState, Express, Apollo Client, and Docker.
- Increased test execution capacity by 10x by developing a multi-tenant auto-scaling solution with Docker, ECS, and EC2 to enable the parallel execution of API tests.
- Authored and edited an in-depth technical case study exploring Skopos's trade-offs, architecture, and use case.

## PROFESSIONAL CERTIFICATIONS

### ASSOCIATE CLOUD ENGINEER

Google Cloud | Sep 2024

## EDUCATION

### LAUNCH SCHOOL

Software Engineering | 2021 - 2022

Rigorous, mastery-based program focused on computer science fundamentals and software development best practices.

### WESTERN WASHINGTON UNIVERSITY

B.A. History | Sep 2012 - Jun 2015

## SKILLS

Languages & Frameworks:	Data Management & APIs:	Tools & DevOps:	Cloud & Networking
JavaScript	SQL	Git	GCP
Python	PostgreSQL	GitHub	AWS
TypeScript	MongoDB	Docker	Heroku
HTML/CSS	GraphQL	Terraform	
Vue.js	REST	Jenkins	
React.js			