

# Hans Elde

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## 📄 SUMMARY

I'm a full-stack software engineer based in Seattle with multiple years experience building in the frontend and backend with JavaScript, TypeScript, and Go. I'm a curious and tech-agnostic lifelong learner eager to explore new languages, frameworks, and tools. Most recently, I co-created Skopos, an open-source tool for monitoring multi-step HTTP API workflows.

## 💼 PROFESSIONAL EXPERIENCE

08/2022 – 12/2022  
Remote

**Co-Creator, Software Engineer**, Skopos  
<https://skopos-api-monitoring.github.io/> 🌐

Skopos is an open-source monitoring tool, designed for web services that depend on reliable multi-step API workflows.

- Designed, prototyped, and built key features of Skopos such as the definition, execution, and scheduling of API monitoring tests using Typescript, Apollo GraphQL, and AWS (S3, EC2, ECS, EventBridge, Lambda, and RDS).
- Led the design and development of a containerized state machine to process, execute, and evaluate multi-step API tests using TypeScript, XState, Express, Apollo Client, and Docker.
- Architected and implemented a multi-tenant auto-scaling solution with Docker, ECS, and EC2 to enable the parallel execution of API tests.
- Developed an engaging front-end UI with React and TypeScript that facilitates API test customization, execution, and monitoring.
- Automated AWS cloud infrastructure setup and teardown using the AWS CDK.
- Collaborated remotely with a team of engineers using Slack, Zoom, and GitHub.
- Authored and edited in-depth technical case study exploring Skopos's trade-offs, architecture, and use case.

08/2021 – 08/2022  
Remote

**Software Engineer**, Additional Open-Source Projects

- WireSnoop - A RequestBin-like application for receiving and inspecting HTTP webhooks (Node.js, React, MongoDB, PostgreSQL, Nginx).
- Contacts - An application to manage contact emails and phone numbers (Node.js, Express.js, PostgreSQL).
- AirRouter - An app to filter and display info about routes flown by several large airlines (Node.js, React, Redux).

07/2015 – 06/2022  
Seattle

**Security Officer**, Pike Place Market Preservation & Development Authority

- Worked both independently and as part of a diverse, collaborative and customer-facing team to achieve organizational goals in dynamic, fast-paced environment.
- Mentored and trained new employees in safety, teamwork, and communication skills.
- Conducted self-directed investigations and organized evidence to produce written reports and analytical documents with an emphasis on attention to detail.

## 🧠 SKILLS

### Programming Languages

TypeScript, JavaScript, ES6, SQL, HTML, CSS, Golang

### Libraries & Frameworks

React, jQuery, Express.js, Node.js, XState

### Tools & Databases

Version Control (Git, GitHub), Postgres, MongoDB, GraphQL, Docker

### Cloud & Networking

DigitalOcean, Heroku, AWS, AWS CDK, Nginx, HTTP, AJAX, REST APIs

## 🎓 EDUCATION

2012 – 2015

**B.A. History**, Western Washington University

2020 – 2022

**Software Engineering**, Launch School

Mastery-based full-stack software engineering program with a focus on computer science fundamentals through written assessments, live coding interviews, and take-home projects.