

Hans Elde

✉ email@hanselde.com 📍 Seattle, WA 🌐 hanselde.com in /hans-elde 🔄 /eldehan

SUMMARY

I'm a full-stack software engineer based in Seattle with multiple years experience working in the frontend and backend with JavaScript, TypeScript, and Go. I'm a passionate 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).
- Simplified test execution architecture and improved code readability by developing a containerized state machine to handle the processing, execution, and evaluation of 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.
- 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 3 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 - An application for receiving and inspecting HTTP webhooks (Node.js, React, MongoDB, PostgreSQL, Nginx).
- Contacts - A full-stack contacts manager application with an integrated tagging system (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

- Mentored new employees and led training sessions on safety, teamwork, and written and verbal communication skills.
- Managed 50+ inbound customer calls per day and coordinated team to respond to emerging incidents.

SKILLS

Programming Languages

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

Libraries & Frameworks

ReactJS, jQuery, Express,
NodeJS, XState

Tools & Databases

Git, GitHub, Postgres,
MongoDB, GraphQL,
Docker

Cloud & Networking

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

EDUCATION

2012 – 2015

B.A. History, Western Washington University