KOLIN NEWBY
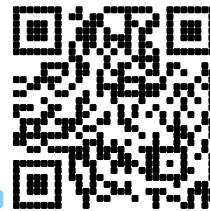**Full Stack Software Developer**

CONTACT

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EDUCATION

University of Colorado Boulder

Graduated 2021

B.S. in Computer Science & Minor in Business

SKILLS

Frontend Development
- TypeScript
- JavaScript
- React.js
- HTML/CSS
- Tailwind CSS
- Vite

Backend Development
- Golang
- gRPC
- Rust
- Java

Infrastructure and DevOps
- APIs
- Docker
- Terraform
- AWS
- HubSpot

Performance and Testing
- Cypress Tests
- Unit Tests
- E2E Tests

EXPERIENCE

Software Engineer, Graylog
June 2023 to November 2025

- Collaborated with Graylog's core team across multiple time zones to implement new features, build interfaces, and optimize API calls, improving performance and usability for thousands of users.
- Met with team leads, product managers, and other engineers to plan and coordinate new feature design, implementation, and testing details.
- Performed extensive user testing on code from fellow engineers in order to find bugs before public releases. This ensured our high standards for quality were being met.
- Regularly assessed relevant, frontend bug reports and, when necessary, coordinated with fellow engineers to patch said bugs.

Software Engineer, Resurface Labs
June 2021 to June 2023 - acquired by Graylog

- Led design and implementation of the user experience and user interface for the Resurface API Security product.
- Optimized frontend SQL queries and backend data structures to facilitate analysis of API traffic data sets on the order of billions of entries, improving performance and reliability for our users by more than 2x.
- Led initial research into new technologies like eBPF for use in our current technology stack, ensuring that our product would remain on the cutting edge and competitive in our market.
- Developed in-house, open-source utilities and tools that enabled our company to properly test our API logger's throughput and overhead performance when put under extreme traffic loads with varying payload sizes.

WORK

Graylog API Security
2024

Graylog API Security is a platform that lets teams monitor, record, and analyze their APIs' requests and responses. It alerts users to potential threats and breaches, and can even intelligently track PII to ensure that APIs comply with national privacy standards.

I led design and development of the UI and UX for Graylog API Security from July of 2021 to June of 2025. In that time, I had a hand in every aspect of the product from; leveraging React, TypeScript, Node.js, Tailwind CSS, and Recharts to develop new interfaces and features on the frontend, to optimizing queries and backend data structures using Java, SQL and Trino.

Resurface API Logger
2022

The Resurface API Logger is open-source software that hooks directly into an API as middleware and collects the API's request and response data, packages it, and sends it to the configured destination. The logger is built in Go and uses Goroutines and NDJSON to asynchronously batch API data and send it to the destination, minimizing performance overhead.

I led the initial development of the logger in 2021. Later, I lead the maintenance of existing features and the development of new major features such as the asynchronous Goroutine submission, as well as the NDJSON batching and general performance improvements.

API Traffic Load Tester
2023

Blowhole is open-source, API load-testing software that utilizes Go, gRPC, and concurrent Goroutines to simulate heavy request traffic to a given endpoint.

I led the initial development of the load tester in 2023. I implemented the load tester's base functionality including sending high-throughput web traffic to a given endpoint through a distributed, asynchronous 'coordinator' and 'worker' architecture, where the nodes communicate via gRPC