

KOLIN NEWBY

Software Developer

EXPERIENCE

Software Engineer, Graylog

June 2021 - Present

- Leading maintenance and development of the product UI, running on `Node.js` using `React` with `TypeScript` and `JavaScript`
- Integrated telemetry feedback into React UI using PostHog
- Working in `Java` backend to optimize `SQL` queries, system latency, and overall performance with very large data sets
- Developing and maintaining an open-source, API logger written in `Go` utilizing go routines for `asynchronous`, batched http submission
- Building `unit tests` for the Go API logger mentioned above
- Perform in-depth research into new technologies and their viability as platforms for new logging software, including tracking the potential performance impacts and stumbling blocks given currently implemented technologies
- Pathfinding and initial development on an `eBPF` API logger utilizing `C` and `Golang`

Technology Lead, CU Boulder Bookstore

August 2017 - May 2021

- Develop and maintain display website for selling 3D prints using `HTML/CSS` and `Express` framework
- Schedule, train, and supervise other technology desk employees

PROJECTS

API Logger, Capstone Project

August 2020 - April 2021

- Created `open-source`, `Go` based, API logging software in association with Resurface Labs in Boulder
- Was individually responsible for creating `unit tests` for the logging system as well as documenting my teams progress throughout the project

Professional Website, Personal Project

July 2022 - Present

- Built a site for professional representation and to have a landing page for possible freelance opportunities. Site uses `Node.js`, `React`, `JavaScript`, `CSS`, and `Tailwind CSS`.

Python Store Bot, Personal Project

January 2022 - March 2022

- Created a modular, automated system to monitor prices of high demand products and purchase given a certain price. This was done using `Python` and Selenium browser automation tools

CONTACT INFO

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knewby.io

EDUCATION

University of Colorado

Boulder

2017 - 2021

B.S. in Computer Science

Minor in Business

TECHNICAL SKILLS

JavaScript/TypeScript

React

Node.JS

HTML/CSS

Tailwind CSS

GraphQL

REST APIs

Agile Development

Docker

Git

Golang

Java

C/C++

AWS

Python