

KOLIN NEWBY

WORK EXPERIENCE

Software Engineer – Resurface Labs

June 2021 – Present

- Lead maintenance and development of the product UI, running on **Node.js** using **React** with **TypeScript** and **JavaScript**
- Work with backend components to optimize **SQL** queries, system latency, and overall performance given large data sets
- Assist in the development and maintenance of open-source logging software in the **Go programming language**, which utilizes go routines for **asynchronous**, background http submission
- Assist in development of integrated **unit tests** for the Go logger mentioned above
- Develop and maintain a test API for Go logger that used Golang, Gorilla mux, and **GraphQL**
- Coordinate efforts with fellow engineers to develop supporting software for **AWS** and **Kubernetes** logging

Assistant Engineer – Colorado Airline Services

June 2016 – July 2019

- Assist the engineer in inspection and maintenance of Boeing 747 aircraft systems
- Evaluate and resolve any technical issues in the passenger cabin area of the aircraft

EDUCATION

University of Colorado
Boulder

Bachelor's degree in Computer Science
Minor in Business

May 2021

SKILLS

React	TypeScript	JavaScript	HTML/CSS
GraphQL	Agile Development	Docker	Golang
Python	OOP	AWS	Git

PROJECT EXPERIENCE

API Logger Capstone Project, Resurface Labs

August 2020 – April 2021

- Created open source, **Go** based, **API** logging software in association with Resurface Labs in Boulder
- Was individually responsible for creating tests for Go-Logger rules that define the logger's behavior

Personal Website, Professional Development Project

July 2022 – September 2022

- 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 – February 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