

# KOLIN NEWBY

## WORK EXPERIENCE

Software Engineer – Resurface Labs

June 2021 – Present

- 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
- 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

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	Golang
GraphQL	Agile Development	Docker	HTML/CSS
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