KOLIN NEWBY
Software Developer

EXPERIENCE

Software Engineer, Resurface Labs
June 2021 - Currently Employed

- 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** logging

Technology Lead, CU Boulder Bookstore
August 2017 - May 2021

- Develop and maintain display website for selling 3D prints using **HTML/CSS** and **Express** framework
- Scheduled, trained, and supervised other technology desk employees
- Maintained smooth operation of 3D printers to produce customer prints and parts for the sales floor

Assistant Engineer, Colorado Airline Services
June 2016 - July 2019

- Assisted the engineer in inspection and maintenance of major Boeing 747 aircraft systems both mechanical & electronic
- Evaluated and resolved any non-critical, technical issues in the cabin area of the aircraft

PROJECTS

WordZilla, Personal Project
August 2022 - Present

- Developing a SASS application that generates marketing copy using a custom **REST API** powered by OpenAI's GPT-3
- Developing an application front end using **PHP**, **HTML/CSS**, and **Tailwind CSS**; then deploying app on Digital Ocean

Professional Website, Personal Project
July 2022 - December 2021

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

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

CONTACT INFO

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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
- REST APIs
- GraphQL
- Agile Development
- Docker
- Git
- Golang
- OOP
- AWS
- Python