MATTHEW DONOVAN

SOFTWARE ENGINEER

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PROFILE

Hands-on, collaborative software developer with a proven ability to quickly learn new languages, procedures, and technologies looking to grow technically and add value quickly.

AREAS OF EXPERTISE

- Web applications
- Back-end development
- Agile methodology
- Testing processes
- Cross-skilled collaboration
- Version control (Git)

EDUCATION

University of Colorado, Boulder
B.S., Computer Science, 5/2020
Graduated Magna Cum Laude
Major GPA: 3.9
Overall GPA: 3.8

Relevant Courses:
Algorithms
Big Data Architecture
Computer Systems
Cybersecurity
Data Mining
Data Science
Data Structures
Operating Systems
Object-Oriented Analysis & Design
Software Development Methods

Honors / Scholarships:
Dean's List: 2016 – 2020
Chancellor's Achievement: 2016-2020
Wozniak Scholarship: 2019-2020

PROFESSIONAL EXPERIENCE

Software Engineer 6/2020 to present
Good Green Technology - San Francisco, CA (Remote)

- Develop core API functionality while restructuring the code to be more testable.
- Design and integrate changes to the SQL database along with the corresponding backend code using Sequelize.
- Manage QA and production cloud instances on AWS for the server and database deployments.

Software Engineering Intern 5/2019 to 11/2019
LogRhythm - Boulder, CO

- Collaborated with a 10-person agile team to build out one of the LogRhythm SIEM APIs.
- Programmed in Golang developing endpoints that enable security analysts to view and organize information on suspicious network events across many machines.
- Built an internal testing tool using Docker that is composed of a RESTful API and a 3rd party test-double to automatically stub out downstream services.

TECHNICAL PROFICIENCIES

Languages:	JavaScript	C++
	Python	Golang
Skills:	API Development	AWS/GCP
	Node.js	React.js
	MongoDB	SQL

PROJECTS

Crowdpleaser – A music streaming web app in which users can host parties and invite friends with a unique party code. Everybody in the party can add songs to a shared priority queue and vote to determine which song plays next. Built using MongoDB, Express, Node.js, React and the Spotify Web Playback SDK.

DropBucket – File-hosting service using a RESTful Django API to communicate with GCP Storage Buckets, capable of synchronizing across multiple devices to manage downloading, uploading, and deleting files to reflect changes in the QT interface.

Sorting algorithm visualizer – A react web app that visualizes different sorting algorithms on a histogram. Users can set size, speed, algorithm, and display style to visualize Merge Sort, Insertion Sort, Selection Sort, and Bubble Sort. https://mabthew.github.io/sorting-visualizer/