Aidan Murphey

Software Engineer

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LinkedIn
GitHub

Objective

Proven self-starter with over four years experience growing and thriving in fast-paced engineering environments. Driven to continue learning to solve bigger and harder problems in technology.

Work Experience

Amazon, Software Development Engineer 1 (7/2022 – Present)

- Developed **new customer-facing feature** within online grocery, while communicating across teams to stay in sync with partnering systems.
- **Independently created** new internal tool to automate a regular manual task relating to manually collecting and transforming system metrics.

Lockheed Martin, Software Engineer (1/2022 – 7/2022)

- Drove the effort for the **containerization** of development environments for **10+ software products** owned by my team.

DeliveryCircle, Software Engineer (01/2019 – 12/2021)

- Developed brand new SaaS application **from start to delivery** and onward. Application is a cloud-based, delivery-management platform written in Laravel. Multi-year project that now serves as the company's core product.
- Automated several developer pain points, such as regularly needing to manually update database seeders to reflect the state of a production database.
- **Interviewed numerous potential new hires at the company. My recommendations led to 2 job offers made to new engineers.**

Education

Computer Science BS, 4.0 GPA @ Rutgers University (2021)

- Noteworthy courses: Design and Analysis of Algorithms, Data Structures and Algorithms, Computer Organization, and Secure Coding

Projects **More available on GitHub (link)**

Rubik's Cube Solver (GitHub)

- Rapidly solves a Rubik's Cube from any starting state
- Works by imagining all possible states of the cube as a graph, and then performs an optimized breadth-first search to quickly build a path from the starting state to the end state
- Utilizes: Python, Graph Theory

PHP Playground (GitHub)

- A simple online PHP editor built using containers and a Node backend
- Runs a lightweight web server as an interface for a PHP execution system. Users' input are run inside of disposable docker containers to allow for secure code execution.
- Utilizes: Docker, Node.js, Express.js, PHP, Boostrap

EnconHealth (GitHub)

- Robust web solution created for Encon Mechanical to help protect the health of employees during COVID-19
- Provides employees a simple page to affirm their health status as well as an administration panel for executives to track employee responses and configure the application
- Utilizes: PHP, Laravel, MySQL, JavaScript, HTML, CSS, Bootstrap, Mailgun, DNS, Cloudflare, Continuous Deployment

Skills

Java, PHP, JavaScript, SQL, HTML, CSS, Python, Laravel, Node.js, React, Git, Express, C++, AWS, Google Cloud, Docker, Containerization, Testing, Unit Testing, Web Development, REST API, Bootstrap, ES6, Linux, Windows, Mac OS, Ubuntu