

Patrick McCarty

Your Location | patricksantos1234567@gmail.com | 0541 999 99 99 | yourwebsite.com
linkedin.com/in/patrick-mccarty-076882267 | github.com/psmccarty

Education

- University of Wisconsin-Madison**, BS in Computer Science Sept 2021 – Dec 2023
- **GPA:** 4.0
 - **Related Coursework:** Operating Systems, Computer Networks, Algorithms and Data Structures, Database Management Systems
- Madison Area Technical College**, AA in Economics and Pre-Business Sept 2019 – May 2021
- **GPA:** 3.8

Experience

- Backend Software Engineer**, Fetch – Madison, WI Jan 2024 – Current
- Reduced processing times for the app's email feature by 75%. Improving user experience and saving the company hundreds of dollars a day in reduced AWS infrastructure costs.
 - Created a feature for A/B testing in app offers. Allows product owners to slowly rollout offers and evaluate performance before enabling for all users.
 - Improved a critical services availability from 98% uptime to 99.9% by identifying and resolving issues with the usage of third party APIs.
- Backend Software Engineering Intern**, Fetch – Madison, WI May 2023 – Aug 2023
- Implemented a feature using the **AWS SDK**, enabling users to receive one-time security codes through phone calls in addition to the existing SMS. This new feature allows users with phones that cannot receive SMS messages to also sign up for the app.
 - Enhanced the customer support dashboard by integrating informative icons into the UI and replacing the use of deprecated backend routes with modern ones.
 - Identified and fixed a potential security concern stemming from how emails were being stored across multiple databases.

Certifications

- AWS Certified Cloud Developer

Projects

- Multi-User Drawing Tool** github.com/name/repo
- Developed an electronic classroom where multiple users can simultaneously view and draw on a "chalkboard" with each person's edits synchronized
 - Tools Used: C++, MFC
- Synchronized Desktop Calendar** github.com/name/repo
- Developed a desktop calendar with globally shared and synchronized calendars, allowing users to schedule meetings with other users
 - Tools Used: C#, .NET, SQL, XML
- Custom Operating System** 2002
- Built a UNIX-style OS with a scheduler, file system, text editor, and calculator
 - Tools Used: C

Skills

Programming Languages: Go, Python, Java, C, SQL

Technologies: Git, Bash, AWS, Docker, RESTful APIs