

Aidan McDowell

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SUMMARY

Detail-oriented DevOps Engineer and Software Developer with experience building large-scale, high-availability applications. Proven track record in CI/CD pipelines, AWS infrastructure, and SEO optimization. Adept at collaborating across teams to deliver robust solutions, mentor junior developers, and drive continuous improvements. Skilled in Python, C#, C++, JavaScript, React, Swift, MySQL, Linux, Bash, PowerShell and container orchestration technologies.

EXPERIENCE

DevOps Engineer

Arrow

August 2024 – Present, Remote

- Design and maintain CI/CD pipelines (Jenkins, GitHub Actions) to automate builds, tests, and deployments, reducing release cycles by streamlining code integration.
- Collaborate with software engineers to implement new features and manage bug fixes, ensuring seamless deployments and robust infrastructure.
- Integrate AWS services for scalable, fault-tolerant production environments; monitor system performance, identify bottlenecks, and optimize infrastructure costs.

SEO Engineering Intern

Now Mobile Ordering

August 2024 – January 2025, Remote

- Leveraged Google Analytics, Google Search Console, and SE Ranking to assess traffic patterns, identify growth opportunities, and refine on-page SEO strategies.
- Coordinated with development teams to improve site performance (page load times, mobile responsiveness), boosting organic search rankings and user engagement.
- Led A/B testing initiatives to optimize content and landing pages, increasing conversion rates and overall search visibility.

Web Developer Intern / Tech Lead

National Youth Adoption Foundation

January 2024 – June 2024, Remote/Chicago, IL

- Spearheaded the design, development, and maintenance of the official NYAF website, ensuring optimal performance and security.
- Organized cross-departmental collaboration, facilitating content updates and fundraising event details with community partners (e.g., Chicago Public Schools).
- Mentored interns and junior developers on best practices, coding standards, and website analytics..

PROJECT

TheBypasser

Web Tool – Ad Blocker • January 2021 – July 2024

- 5M+ monthly users at its peak for this web tool that bypasses malicious, ad-filled sites requiring forced interactions.
- Led and mentored a 5-person development team, overseeing patch updates, QA, and feature requests to ensure continued functionality despite frequent third-party changes.
- Leveraged AWS for hosting and load balancing during high-traffic periods; collaborated with YouTubers/influencers for free marketing campaigns..

Yoink Executor

Software Application • February 2018 – June 2021

- Early-career project accumulating 2M+ downloads, empowering users to modify and enhance their gaming experiences through C# and C++ scripts.
- Provided weekly updates to address platform patches, collaborating with community moderators for feature feedback and troubleshooting.
- Served as an introduction to leading a small dev team, focusing on agile task assignment and peer mentorship.

Flashcard Software

Student Project – Software Course • October 2024 – November 2024

- Developed a Python-based tool to help students and professionals create customizable flashcards for study and memorization, similar to Quizlet.
 - Implemented user authentication, data storage, and search functionality, focusing on intuitive UI/UX and efficient data retrieval..
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EDUCATION

Bachelor of Science, Computer Science

California State University, Fullerton • Fullerton, California • May 2025

- Focus: Software and Cybersecurity
 - Dean’s List (Fall 2024)
 - Member, Pi Kappa Alpha Fraternity
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INVOLVEMENT

Ambassador

California State University, Fullerton • Up & Up

- Drove ticket sales in nationwide competitions between universities to secure a headliner DJ performance; named “Ambassador of the Year” for surpassing sales goals.
- Contributed to two consecutive winning campaigns (a first in Up & Up history), demonstrating high-level collaboration, networking, and team leadership skills..

Executive Board Member & Webmaster

Pi Kappa Alpha Fraternity

- Executive Board Member: Collaborated with executive leadership to plan large-scale gatherings and enforce organizational policies.
- Webmaster: Managed official website, oversaw social media, organized philanthropy events, and led marketing initiatives.

Dental Assistant and Valet

Dental Assistant (Dr. Mullins Orthodontics, 2020) || Valet (Hotel Republic, The Westin, The Guild) • May 2023 - August 2024

- Maintained high standards of customer service, workplace safety, and team collaboration.
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SKILLS

Programming & OS: Python, C#, C++, JavaScript, React, HTML, Swift, MySQL, Linux, Bash, PowerShell

DevOps & Infrastructure: AWS, CI/CD (Jenkins, GitHub Actions), Git (GitHub, GitLab)

SEO & Analytics: Google Analytics, Google Search Console, SE Ranking

Methodologies & Tools: Agile/Scrum, Virtualization (VMware), A/B Testing, Performance Monitoring, Mentoring & Team Leadership

Education & Courses: Artificial Intelligence, Algorithm Engineering, Cybersecurity, Software Engineering, Compilers and Languages, Operating Systems, Web Front-End Engineering, Software Process, Mobile Development Programming, Computer Communications, Assembly Language, Data Structures, Professional Ethics in Computing, Object-Oriented Programming, Computer Organization, Python
