

W. ALLEN MURFEE

Software Engineer | Full Stack Developer | Cloud Engineer

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Portfolio: <https://allenmurfee.github.io/portfolio>

GitHub: <https://github.com/allenmurfee> | **LinkedIn:** www.linkedin.com/in/allen-murfee

SKILLS

Languages & Frameworks: JavaScript (ES6+), React, Node.js, TypeScript, PHP, Python, Next.js, Tailwind CSS, HTML5

Cloud & DevOps: Docker, GitHub Actions, CI/CD pipelines, Azure, AWS, Cloud Architecture

Backend & Databases: REST APIs, Microservices, MySQL, PostgreSQL, MongoDB, Supabase, NoSQL, GraphQL

Tools: Agile/Scrum, Documentation, Accessibility (WCAG 2.1), Internship Program Development and Mentoring, Application Support

EXPERIENCE

Software Developer – Brightpoint Community College | Midlothian, VA July 2023 - Present

- Modernized legacy applications by upgrading Node.js (v12→v20) and PHP (7.3→8.3) to align with secure, maintainable backend standards.
- Developed backend services using Node.js, Microsoft APIs, and SQL databases.
- Refactored Docker-based workflows and rebuilt CI/CD pipelines using Git and Gulp for automated, reliable deployments.
- Led efforts to integrate React-based components in SharePoint to streamline internal processes.
- Audited and remediated accessibility issues to ensure WCAG 2.1 compliance.
- Created documentation and mentored interns, fostering team growth and knowledge sharing.
- Practiced Agile methodologies and collaborated with cross-functional stakeholders to meet delivery goals.

Marketing Coordinator – Sands Anderson PC | Richmond, VA October 2021 - July 2023

- Managed content and plugin architecture via WordPress for a state agency website
- Designed data dashboards in CRM, supporting stakeholder visibility and performance metrics
- Maintained CMS uptime and coordinated feature rollouts in production environments

Marketing Coordinator – Accessia Health | Midlothian, VA June 2020 - September 2021

- Implemented SEO-driven content updates and maintained plugin compatibility in WordPress
- Collaborated on front-end design using HTML and visual page builders

EDUCATION

Full-Stack Software Development Certificate: University of Richmond, Richmond, VA 2022 – 2023

- Developed practical skills in API integration, database schema design, and DevOps principles through full-stack projects

Bachelor's Degree, Public Relations: Virginia Tech, Blacksburg, VA 2018 – 2020

- Graduated Summa Cum Laude; Phi Sigma Pi Honors Fraternity

PERSONAL PROJECTS

The Leet Grind: A LeetCode problem tracking application that helps users organize and monitor their coding practice progress. The application is built with a React frontend and Express.js backend, designed to run with PostgreSQL database support.

- GitHub: <https://github.com/allenmurfee/the-leet-grind>

Flashcard AI Generator: A full-stack web application that generates study flashcards from lecture notes using Google's Gemini 1.5 LLM. Implemented the front end with Next.js and React. Used Supabase as a hosted SQL database for storing user-generated flashcards and user data; designed scalable backend flow that mimics cloud architecture.

- GitHub: <https://github.com/allenmurfee/flashcard-generator-ai>

Listify: A MERN stack to-do list app built with React, Node.js, GraphQL, MongoDB, and Express.js. My responsibilities: writing React code, connecting GraphQL with React, and GraphQL queries and mutations. Utilized GraphQL and MongoDB for cloud-native app structure. Deployed with Heroku.

- GitHub: <https://github.com/allenmurfee/todo-list-app>