

KUSHAL DEVKOTA

☎ 240-350-9201 | ✉ kushaldev07@gmail.com | [linkedin.com/in/kushal-devkota](https://www.linkedin.com/in/kushal-devkota)

🐙 github.com/kushaldevv | 🌐 www.kdev.app | 📍 Maryland

Education

University of Maryland

Bachelor of Science in Computer Science

Sep 2020 – May 2024

College Park, Maryland

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Network Security
- Computer Vision
- Web Development
- IOS Development
- Ethical Hacking

Awards

- CMNS Scholarship
- Senatorial Scholarship
- Delegative Scholarship
- Dean's List

Experience

Dev Tax & Accounting LLC

Software Engineer Intern

May 2022 – August 2023

Silver Spring, Maryland

- Developed a fully responsive website using **React.js** and **Chakra UI**.
- Integrated a secure file transfer system for users to upload files securely, while also implementing backend email functionality for the contact form to ensure seamless communication.
- Executed SEO best practices, including establishing a sitemap, implementing semantic HTML, and optimizing keywords, resulting in a **25%** increase in customer engagement.
- Launched **AWS EC2** virtual servers to enable remote work and increase employee access. Configured security and networking settings for client data protection.

Projects

Gainz | *React Native, TypeScript, Python, AWS, Clerk, Tamagui*

July 2024 - Present

- Co-Developed a **React Native**/Expo mobile full stack application for fitness tracking and social networking.
- Designed and implemented a **RESTful API** on **AWS**, leveraging **API Gateway** to efficiently manage and route incoming requests.
- Developed **Lambda Python** functions to process requests, handle data operations, and interact with **DynamoDB (NoSQL)**.
- Integrated user authentication and data security with **Clerk**.
- Utilized **TypeScript** and **Tamagui** for building a responsive, type-safe frontend.

Automated Web Testing Platform | *Java, Selenium, Springboot, JavaFX*

April 2023

- Developed automated test scripts using **Selenium** for simulating user interactions and ensuring robust web application testing.
- Built a scalable backend with **Spring Boot**, managing test cases, execution, and reporting through a **RESTful API**.
- Designed an intuitive **JavaFX** interface for efficient test case creation, configuration, and real-time monitoring.
- Integrated the project with **CI/CD tools**, resulting in a 40% decrease in time-to-deployment and efficient collaboration in the development pipeline.

TerpExchange | *Swift, Google Firebase*

March 2023 - May 2023

- Led a team to develop an IOS application using **Swift**, enabling students on campus to buy and sell products.
- Integrated **Firebase Cloud Firestore** for real-time data management including peer to peer communication through chat functionality.
- Reduced product image storage overhead by **40%** through efficient utilization of **Firebase Storage**.
- Implemented security protocols by leveraging **Firebase Authentication** to restrict access to campus students only.

Sorting Algorithm Simulator | *Javascript, React*

June 2022

- Created a website using **React.js** that simulates sorting algorithms, providing a hands-on and interactive learning experience.
- Incorporated time complexity, auxiliary space, and stability analysis for each sorting algorithm.
- Assisted peers in improving their test scores by **15%** through the utilization of the simulator as a study resource.

Technical Skills

Languages: JavaScript, TypeScript, Python, Java, Swift, Ruby, C++, PHP

Frameworks/Libraries: React.js, Next.js, Express.js, Chakra UI, Angular, Tamagui

Other: SQL, NoSQL, Node, Git, API's, Jira, Scrum, Google Firebase, AWS, Agile Programming