

KUSHAL DEVKOTA

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🐙 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, Computer Vision, Network Security, Ethical Hacking, Web Development, IOS Development

Awards: CMNS Scholarship, Delegative Scholarship, Senatorial Scholarship, Dean's List

Experience

Dev Tax & Accounting LLC

June 2023 – May 2024

Full Stack Developer

Silver Spring, MD

- Developed a fully responsive website using **React.js** and **Chakra UI**, increasing user engagement by 30%
- Created a client portal with **Firebase** and Next.js, boosting accountants' productivity by streamlining data organization and tracking
- Automated monthly FICA tax payments using **UiPath** automation for 15+ clients, handling payments up to \$10,000
- Deployed **AWS EC2** servers for remote work, enhancing team productivity and ensuring client data security with advanced configurations

Pastel Software Solution

January 2022 – December 2022

Software Engineer

(Remote)

- Architected and implemented the backend of an NFT Marketplace and various DApps using **Node.js** and **Express.js**, ensuring scalability and performance optimization
- Integrated **AWS** services (EC2, S3, ECS) to enhance application deployment and storage solutions, improving system reliability and scalability
- Automated CI/CD pipelines with **Jenkins**, streamlining deployment processes and increasing deployment efficiency
- Developed smart contracts using **Solidity** to facilitate secure and reliable blockchain transactions

Projects

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

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

NBA Match Predictor | *Python, Pandas, scikit-learn*

- Created a model to predict NBA matches, integrating data scraping with **Pandas** and **machine learning**
- Achieved 65% prediction accuracy as measured by test data, by building and tuning Logistic Regression, Random Forest Classifier, and XGBoost models with **Scikit-learn**

Real-Time Chat App | *Spring Boot, Java, TypeScript, HTML, Tailwind*

- Developed a real-time chat application using **Java**, **Spring Boot**, and native **WebSockets**
- Implemented secure user authentication and authorization with **JWT (JSON Web Token)**.
- Built a responsive front-end with **TypeScript** and **Tailwind**

TerpExchange | *Swift, Google Firebase*

- Led a team to develop an iOS application using **Swift**, enabling campus students to buy and sell products
- Integrated **Firebase Cloud Firestore** for real-time data management and peer-to-peer communication through chat functionality
- Reduced image storage overhead by **40%** through efficient use of **Firebase Storage**.
- Enhanced security with **Firebase Authentication**, restricting access to authorized campus students

Technical Skills

Languages: JavaScript, TypeScript, Python, Java, Swift, C++, PHP, HTML/CSS

Frameworks/Libraries: React.js, Next.js, Express.js, Spring Boot, Tamagui, Tailwind

Tools/Platforms: AWS, Google Firebase, Docker, Git, UiPath, Node.js, REST APIs

Databases: SQL, NoSQL (DynamoDB, Firestore, MongoDB)