KUSHAL DEVKOTA

📞 240-350-9201 | ✉ kushaldev07@gmail.com | 🔗 linkedin.com/in/kushal-devkota

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

Education

University of Maryland   **Sep 2020 – May 2024**
Bachelor of Science in Computer Science   *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

Pastel Software Solution   **January 2022 – Present**
Full Stack Developer   *Chitwan, Nepal*
- 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.

Metapolis (Chand Metaverse)   **January 2020 – December 2022**
Full Stack Developer   *Chandigarh, India*
- Designed and implemented a Distributed Exchange (DEX) platform similar to Uniswap using the **MERN Stack** and **Python**, handling high volumes of cryptocurrency transactions.
- Developed and integrated **RESTful APIs** for seamless communication between frontend and backend systems.
- Utilized **Docker** for containerization, ensuring consistent and portable development environments.
- Managed and optimized cloud infrastructure on **AWS** (EC2, S3, ECS, ECR) to enhance performance and reduce costs.
- Contributed to the development of a crypto launchpad, expanding the platform's ability to support new blockchain projects.

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**.
- Utilized **TypeScript** and **Tamagui** for building a responsive, type-safe frontend.

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, Node.js, REST APIs, Agile
Databases: SQL, NoSQL (DynamoDB, Firebase Cloud Firestore)