MUKUL JESWANI

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EXPERIENCE

Tarana Wireless, Inc., Milpitas, CA

FrontEnd Engineer (React, React Native, Kotlin, Fastlane, Firebase, Webpack) **Feb'23 - Present**
- Developed and optimized React Native application with deep linking, OAuth authentication, offline maps with caching, and Redux for state management, enhancing navigation, performance, and scalability.
- Implemented native GRPC integration in Android using Kotlin, enabling efficient communication between the app and hardware, reducing latency by **35%** and improving data transmission speed.
- Streamlined distribution and deployment by leveraging Fastlane with **24** lanes, automating builds, and ensuring smooth releases on respective app stores.
- Enhanced performance and reliability by integrating Firebase for log tracking and crash reporting, reducing app crashes by **25%** and improving issue resolution time by **20%**.
- Upgraded and optimized the React application from version 16 to 18, refactoring components and improving performance. Migrated to Webpack 5, reducing build time by **25%** and cutting bundle size by **40%**

FrontEnd Engineer Intern (React Native) **May'22 - Dec'22**
- Engineered Phase-**I** of a mobile application using React Native to reduce installation time between the Base Node and Residential Node by **50%**, enhancing efficiency in non-line-of-sight communication.

Spundan Consultancy & IT Solutions Pvt Ltd, INDIA

Associate Software Engineer (MERN Stack, Ionic, AWS) **Jul'19 - Jun'21**
Edukop (MERN, Ionic, S3, Razorpay) https://www.edukop.com/
- Designed a robust hybrid mobile application using Ionic, featuring a comprehensive admin panel to streamline the management of **80+** retailers and **2000+** products.
- Integrated Razorpay as a payment solution to facilitate seamless order processing and enhance transaction efficiency.
Kutubee (MERN, Ionic, AWS) https://www.kutubee.com/
- Led Phase-I development of an E-Learning app, contributing to two admin panels and a hybrid mobile application.
- Built key features like interactive E-books, channel subscriptions, and integrated E-commerce products.

Pahal Techno Vision, INDIA

Web Developer Intern (React, Ionic, Heroku) **May'18 - Jul'18**
- Adopted agile methodologies while developing an admin panel and hybrid application for newsletter management. Also, gained hands-on experience in deploying applications on Heroku.

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, TypeScript, Kotlin, Python, SQL, NoSQL, JSON, HTML, CSS.
- **Technologies/Frameworks:** React, Express JS, Node, React Native, Ionic, Redux, Firebase, React Testing Library, PostgreSQL, MongoDB, Docker, gRPC.
- **Developer Tools:** Android Studio, XCode, Git Runners, Fastlane, Git-Bash, Jira, AWS, Heroku, Firebase.

PROJECTS

Nyce (React, Python, AWS) https://nycanx.com/
- Engineered a distinctive e-commerce online auction platform tailored to a specialized niche market. Led the end-to-end design process to bring the project to fruition, ensuring a seamless and intuitive user experience.
- Integrated webhooks for live auction price updates, ensuring a seamless user experience. Applied cloud-based solutions for deployment and storage on the AWS cloud stack to enhance scalability and reliability.

Smart Bus Management (MERN, Ionic, KAIROS API)
- Built a hybrid mobile app for real-time bus tracking and monitoring, allowing parents and bus administrators to track buses and monitor up to 60 passengers. Integrated KAIROS Image Processing API for accurate face detection.

EDUCATION

University at Buffalo, **Buffalo, NY** **Aug'21 - Dec'22**
Master of Science, Computer Science and Engineering
Medicaps Institute of Science and Technology, Indore, INDIA **Aug'15 - May'19**
Bachelor of Engineering, Information Technology

ACHIEVEMENTS

- Secured the 4th position statewide and received a consolation prize in the Madhya Pradesh region at SRIJAN 2018, organized by the Madhya Pradesh Council of Science and Technology. https://tinyurl.com/bspwc7v4