Humaid Khan

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Dubai | Full Stack Developer | Software Engineer | +971585280731

Technical Skills

Front-end	React, React Native, Angular, Vue, Android, iOS, Swift, Next, JavaScript, HTML, CSS
Back-end	Node, Express, Java, MySQL, PostgreSQL, MongoDB, WebRTC, Shell scripting, Heroku, Nginx, Socket.io, Passport, Firebase, Authentication, Git, AWS, Docker, DigitalOcean, C++, System Design

Education

University of Wollongong, Bachelor's in Computer Science With Distinction	2017 - 2020
University of British Columbia, Electrical Engineering	2012 - 2016
Hack Reactor, Advanced Software Engineering Immersive Program	2016 - 2017

Projects

Money-IO, Software Engineer – https://money-io.vercel.app
E-wallet application for tracking transactions and debts
- Boosted performance and initial load time by reducing bundle size over 50%, utilizing hooks, and migrating codebase from React to Next
- Architected refactor of codebase into microservices resulting in an increase of code maintainability, flexibility, and separation of concern
- Integrated Redux into codebase to improve global state management and scalability
- Implemented authentication with Passport and implicit grant flow for scalable long-term sessions

VR Pacman, Software Engineer – https://vrpacman.com
First Person VR version of Pac-man
- Architected maze builder UI/UX using React, enabling users to build and edit custom VR mazes
- Programmed a playable first-person VR environment with a configurable map, game objects, AI based ghosts, and game physics using Babylon and Cannon

Storit, Software Engineer – https://youtu.be/F7KLGmUZG-M
Distributed peer to peer cloud storage Android/iOS application
- Tracked storage devices using Node/Express based server in MYSQL database for easy storage management
- Integrated peer to peer file transfer by developing Android and IOS libraries using WebRTC and Socket.io
- Optimized server storage usage by placing file chunks using smart placement algorithm

Lifecraft, Software Engineer
Pet simulation android game
- Reconstructed web app to mobile app using React-Native to provide a cross platform experience
- Composed user authentication system with MySQL database and Express/Node server to introduce user signup and login

Additional Experience

University of Wollongong, Peer Tutor
- Tutored classes with over 100 students for more than 30 hours in various courses resulting in an overall higher-class average