Md Saddam Hussain

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Summary

- Over 6 years of experience in B2B SaaS product design, development
- Worked with over 200+ educational institutions, corporates & international organizations
- Took initiative of building a mobile app on ReactNative & faster release cycles
- Worked on cloud services to simplify scaling, maintenance & security issues
- Quick learner, strong debugging skills, tech enthusiast & self motivated

Professional Skills

- Node JS, Sails JS, NPM, Socket.io, Mongo DB, Firebase Services
- React Native: Redux, CodePush, Expo, Social Sign In, FCM, Third party plugins
- AWS Services: EC2, ELB (Load Balancer), RDS, S3, SES, Lambda Functions
- PHP, MySQL, Indexing, HTML, CSS
- JavaScript, JQuery, Third Party Plugin Integrations
- Git, VSCode, macOS, Linux (Ubuntu), Android Studio, XCode

Professional Experience

Sr. Software Engineer   2012 – Present
Coherendz India Pvt. Ltd.

Vaave Web Application
Vaave (SaaS) is a one-stop solution for all alumni networking needs

- *SaaS Model* – Built a subscription model to use application on their own domain
- *Microservices Architecture* – Designed & developed RESTful microservices to support multiple tech stacks & make background tasks independent of application server
- *Unified Payment Process* – Designed & developed a secure, robust & intuitive payment process to create account managers, collect payments & generate financial reports, helped institutions in 10x growth.
- Integrated multiple payment gateways like PayPal, CCAvenue, Cashfree & multiple currencies
- *Theme Builder* – Built a template system to give personalized branding & customizations
- Notifications – Implemented FCM SDK to deliver notifications cross multiple platform, built a pub/sub model to track activity on application & deliver notification to subscribers
- Built a system to sync jobs from RSS feed & a mapper to support any data format
- *Analytics* – Implemented Google Analytics & an application level tracker to help build data driven application which lead to growth in various parts of application
- *UAC* – Built a secure & robust UAC model, where any number of roles can be created with customizable permissions to specific modules helps admins in distributing responsibilities
- *Hierarchical Customizations* – Built an hierarchical settings management where any feature can be customized at any level (application, client type or specific client)
- Built a public alumni directory helps indexing on search engines
- Worked on multiple time zones & currencies

Vaave Mobile Application (iOS & Android)
Helps alumni connect their alumni portal powered by Vaave

- Built mobile application with ReactNative to generate both iOS & Android builds with single codebase
- *Offline Support* – Built offline support with Redux persist, to store all kinds content & user profile in local database
- *Notifications* – Built notifications with FCM SDK, to push updates to users instantly
- *Analytics* – Integrated Google Analytics to track user behavior & activity throughout application, helps in building data driven application
- *Crash Analytics* – Integrated Crash Analytics to track fails, crashes in application automatically instead of depending on user feedback
- *Social Logins* – Integrated Facebook, Google & LinkedIn logins to simplify user onboarding
- *CodePush (OTA)* – Push OTA (Over The Air) updates to mobile app in case of hotfixes or any ReactNative changes instead of depending on user to update mobile app from play/app store
- Built multi institutional support, each user can be part of multiple institutions powered by vaave & connect to it with single login

Online Registrations
Online Registrations is an event management system, where organizers can accept payment, manage registrations, generate reports, keep track of financial information.

- Helped in organizing more than 400+ events, raised 50M+ canadian dollars
- Plan & implement UAC (User Access Control) with customizable role & permission model
- Developed a form builder with easy to use and intuitive drag & drop interface
- Integrated PayPal & Authorize.Net Payment gateways
- Developed a secure & robust transaction management system
- Generate PDF/CSV filtered financial reports
- Integrated mandrill mailing API
- Collecting payments through registrations, donations & waiting list
- Third party API integrations like Facebook, Google Plus, Contacts, Maps etc.

Awards & Initiatives
- Took an initiative to build ReactNative mobile application with faster development cycle and single codebase for multiple platforms
- Contributed to few open source projects on GitHub
- Second prize, mobile gaming (android), Pragnya'10, Gokaraju Rangaraju Institute of Engineering & Technology, Hyderabad
- First prize, R&D showcase, Innovision 2k11, Institute of Aeronautical Engineering, Hyderabad

Education
B.Tech - Information Technology   2008-2012
Gokaraju Rangaraju Institute of Technology