

Hitesh Kumar Sahu

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Citizenship: Indian (Passport- M6158155) | **Date of Birth:** 10 Oct 1990

Current Employer: **Emerson Innovation Center - Pune**

Career Summary

Full stack Web & Cross Platform Mobile Application developer with 5 years of experience working on Startups, Banking, Ecommerce & Multimedia Projects. Among Top 5 open source contributor on GitHub from Pune. Possesses impeccable written and verbal communication skills and excellent interpersonal skills.

Core Competencies

App & UI: Android, React Native, Angular JS, PhoneGap, Apache Cordova, HTML5, CSS3, Java Script, Design framework like BootStrap, Materialize CSS, Material Design Lite, WordPress. Data Visualization with Plotly JS, Kendo UI, D3Js, HighCharts, Three.JS.

Backend & DB: NodeJS, ExpressJS, MongoDB, Google Firebase, JAVA and C# Web APIs Spring Boot, Hibernate, SQLite. Consuming 3rd party Web APIs like Deezer, TuneIn and SoundCloud. Consuming REST Web API with JSON Retrofit, RxJava. Design Patterns.

Business Process: Aware of working on Agile teams with JIRA. Certified 6- Sigma Developer. Experience of working in Test Driven Development(TDD). Writing test cases with testing frameworks like JUnit, JMock, TestNG, Mocha, Enzyme.

Tools & Technologies: Android Studio, xCode, Eclipse, Atom, GitHub, SVN, Apache Ant, Maven, ClaraIO, Gradle, CI with Python BuildBot.

Personal: Quick Learner, optimistic attitude, result oriented, self-driven, highly motivated, smart and hungry to learn new tools and technologies.

Emerson Innovation Center-Pune

Oct 2016- Current (1+ Year)

[Sort Order – New to Old](#)

NextGen Core Sense Technology-2017 (Internal Project)



Project Type: Hybrid Mobile App (Team Size 3)

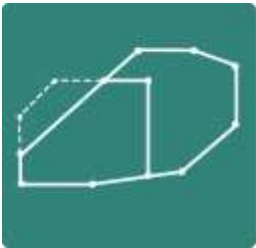
Duration: in Progress

Role: Front End Web Developer

Responsibility: Building **AngularJS PhoneGap** Mobile App which fetches data from embedded Core Sense Microcontrollers and display various electrical and mechanical information of the compressor on a Single Page **PhoneGap Mobile Application**. This App can communicate with H/W via Bluetooth in mobile device and in windows with the help of Visual Basics it can communicate with USB Serial port.

Skills Used: AngularJS, MVC architecture, Embedded software, Visual Basics, Serial Port communication, Single Page Responsive WebApp, MaterializeCSS.

Compressor Operating Envelope (Internal Project)



Project Type: Hybrid Mobile App (Team Size 3)

Duration: in Progress

Role: Front End Web Developer

Responsibility: Building Single Page **AngularJS Web App** for electrical engineers which act as a reference manual for optimal working speed of the compressor. This App uses **Plotly.JS** to draw operating envelop of the compressor. This App also perform complex thermodynamic calculations at a given point on the plot and display result in real time.

Skills Used: AngularJS, MVC architecture, Plotly.JS, D3.JS, Data Visualization, MaterializeCSS, Single Page Responsive WebApp,

Technology Day 2016 Evaluation App (Internal Project)



Project Type: Event Management Application (Team Size: 2)

Duration: Oct 2016-Dec 2016 (1.5 months)

Role: Android App Developer

Responsibility: Designing and developing **Native Android App** for Emerson's Scientific paper presentation event. This app was installed on tablets and used by for judges to evaluate presentations. All the ratings are stored on local server which is later used to evaluate Winner of the event.

Skills Used: Android, MVP design pattern, Glide, Retrofit, RxJava, C# Web services, MySQL.

Technology Day 2016 Evaluation App (Internal Project)



Project Type: Event Management Application (Team Size: 2))

Duration: Oct 2016-Dec 2016 (1.5 months)

Role: Android App Developer

Responsibility Designing and developing **Native Android App** for Emerson's Scientific paper presentation event. This App was made for common audience and uses Google Firebase as Backend. This app displays Live Agenda of the event and allow audience to submit their rating. The App also had embedded Quiz, Audience Poll and 'Do you Know' feature for maximum engagement. This App notify user using push notification about Lunch time and start of event. The App had Google Map embedded to help with the direction of the venue.

Skills Used: Android, Google Firebase, Push Notification, Google Maps.

Florida Blue



Project Type: Health Insurance Application (Team Size: Self)

Duration: in Progress

Role: Support Project

Responsibility: Developing Native Modules for FingerPrint Authentication, GeoLocation, Firebase Cloud Messaging and Integrating them in existing **ReactNative App**.

Summary: This App helps user to find doctors, get ID cards, check benefits and claims, compare medical costs and set notification preferences.

Skills Used: React-Native, Redux, FCM, Fingerprint Authentication, Google Maps, JavaScript.



Verizon Life Safety App

Project Type: Internet of Things Life Safety Devices (Team Size: Self)

Duration: in Progress

Role: Support Project

Responsibility: Building React JS custom UI components and integrating them in screen. Consuming restful web API using redux and saga into existing **ReactNative App**.

Summary: This is the IOT application which allow user to app communicates with Verizon's server and control smart home appliances like thermostat, smart light etc. Also, this app give notifications in case of emergency like fire, flood etc.

Skills Used: ReactJS, Redux, saga, JSX, ES6. SASS, Babel.



Tata Consultancy Services-Pune

Dec-2012- Oct-2016 (4 Years)

Sort Order – New to Older

Domain – Banking and Multimedia

Mi Banco (Deutsche Bank)



Project Type: Hybrid Mobile Banking App (Team Size 15)

Duration: Mar 2016-Oct 2016 (7 months)

Role: Hybrid App Developer

Responsibility: Developing and integrating **Cordova Plugins** for Android wear, Google voice and Vasco's 2 factor authentication in existing banking Application code. With this enhancement, the customer can see his account details in his watch.

Summary: Mobile Banking App for Deutsche Bank Spain customers. With this app, you can check your account, investments, loans, and card details and do your day-to-day banking.



Skills Used: Hybrid App, Phone-Gap, Apache Cordova, Android Wear, Vasco 2 Factor Authentication, Google voice API, HTML5, JavaScript, BootStrap, JQuery, CSS3.

La Mia Banca (Deutsche Bank)



Project Type: Hybrid Mobile Banking App (Team Size 5)

Duration: July 2015-Feb 2016 (7 months)

Role: Hybrid App Developer

Responsibility: Developing and integrating feature of Fingerprint authentication and Vasco's 2 factor authentication with the help of **Cordova Plugins** in existing banking Application code

Summary: La Mia Banca is the official Deutsche Bank Italy app, dedicated to account and db contocarta holders, to allow access and operations via smartphones and tablets.



Skills Used: Phone-Gap, Apache Cordova, fingerprint authentication, 2 Factor Authentication, Google Maps, HTML5, JavaScript, BootStrap, JQuery, CSS3.

Vipps Mobile Wallet (Den Norske Bank- DNB)



Project Type: Mobile Payment Application (Team Size 5)

Duration: January 2015-May 2015 (4 months)

Role: Android Front End Developer

Responsibility: Working in Agile team sitting in different continents and rapidly prototyping **Native Android** UI to be in sync with design team as well as integrating Prototype with backend to be in sync with Middle ware team. Building chat engine using Google Cloud Messaging (now known as FCM).



Skills Used: Android, OKHttp, Retrofit, RxJava, Dagger, Java Rest API, Google Cloud Messaging, Payment Gateways.

BeoSound Moment (Bang & Olufsen)

Project Type: Multi Media Product (Team Size 15)

Duration: March 2013-Dec 2014 (1 year, 9 months)

Role: Android App Developer.

Responsibility: Building **Native Android** Music Player App which uses 3rd Party content provider for music. Building beautiful custom Native UI components, writing Android Settings wrapper. Working with hardware team to integrate hardware components in Android device.

Summary: BeoSound Moment is an intelligent, wireless music system that organizes digital music, radio stations and streaming services in a seamless music experience.

Skills Used: Android, Custom OS, Deezer, DLNA, TuneIn, GraceNotes, Bluetooth, socket, Fragments, Animations, custom views, Android Settings.



BeoMusic App (Bang & Olufsen)

Project Type: Music Player App (Team Size 3)

Duration: July 2013-Oct 2013 (3 months)

Role: Back End Developer.

Responsibility: Writing and testing ksoap based Web API for Log Reporting and Software update. Testing Web Services with TDD testing framework like Junit4, JMock, Mockito etc.

Summary: Creates a multiroom by simultaneously playing the same music on all connected B&O devices or different music on different devices.

Skills Used: Java, JSON, REST-API, Web Services, Ksoap, Junit, JMock, Mockito, TDD, Android Instrumentation Testing, Vera Code, Code Quality.



Open Source Contribution



[Material Upvote](#)

Audio recorder app to demonstrate visualization of audio recording & playback

★117 🍴 17



[E-Commerce App](#)

Open Sourced Android E-Commerce app inspired from E commerce giants- Amazon, Flipkart etc.

★122 🍴 118



[Audio Recorder Visualizer](#)

Audio recorder app to demonstrate visualization of audio recording & playback

★20 🍴 3



[Music Player Dashboard](#)

Music Player based on a UI concept from UpLabs Story -[Can you code this UI concept.](#)

★6 🍴 6



[Android TTS- STT](#)

One line solution for Android Speech to Text and Text to Speech translation problems

★20 🍴 12



[FingerPrint-Authentication React-Native](#)

React Native Finger Print Authentication Module. Backward compatible for Android Version <23.

★4 🍴 0



[React-Native-Music-Player](#)

Minimalistic Audio Player built with React Native.

★10 🍴 5

ACADEMICS RECORD

Qualification	Board/ University	Year	Score	Accomplishment
BE (Computer Science & Engineering)	UIT-BU Bhopal-University	2012	85 %	University Topper with distinction
XII th Class (AISSCE)	(CBSE Board)	2007	83 %	NA
X th Class (AISSE)	(CBSE Board)	2005	80 %	NA

Apps Designed, Developed & Published by Me



Strobe Light Pro

Android app which uses flash light to program a Photo diode with custom pulse duration.



FireCart Shopping App

Full size Android E-commerce application built with Google Firebase DB.



Blog and Social Media

Word Press Travel Blog: <https://rainandsea.wordpress.com/>

DeviantArt Sketch Blog: <http://hiteshsahu.deviantart.com/>



[GitHub](#)



[LinkedIn](#)



[CodePen](#)



[StackOverflow](#)



[Quora](#)