

# V Santosh Kumar

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## Career Objective:

Seeking a dynamic role in an enthusiastic and challenging work environment, where I can continuously learn, grow, and contribute to the organization's vision and mission.

## Work Experience: (5 years)

**Company:** Innoterra Platform Pvt Ltd (Formerly known as Samaaru India Pvt Ltd).

**Role:** Senior Software Engineer

**Duration:** July 2020 – Present (July 2020 – Mar 2021 on contract basis)

## Projects and Responsibilities:

Project	FarmLink FieldForce Mobile App (SalesApp)
Description	The app provides Customer Onboarding, Order Management and Visit management capabilities to the Sales team of a Marketplace.
Technologies	React Native, Node.js with feathersJs, ERP on Frappe Bench, Redis
Responsibilities	<ul style="list-style-type: none"><li>Aided in migrating of the App from Native Android to React Native.</li><li>Design and Develop the App from scratch as per the UI/UX design and business requirements.</li><li>In the process created many reusable components and generic frameworks.</li><li>Developed a Backend for frontend microservice based on NodeJS as a middleware which sits in between the Mobile app and the backend ERP.</li><li>Developed specific role based login</li><li>Created many reusable API which could be used as a common shared library</li></ul>

Project	Mobile Application Framework (MAF)
Description	The aim of this project was to create and publish configurable reusable and dynamic UI components to content driven mobile applications. This involved creating reusable components, provide an authoring mechanism and code push mechanisms to dynamically deliver content.
Technologies	React.js, React Native, Node.js with feathersJs, Firebase, MySQL, TypeORM
Responsibilities	<ul style="list-style-type: none"><li>Designed and developed a configuration driven dynamic UI (card components), built an authoring layer which stores content, configuration and components from Database.</li><li>Customized the authoring and components to fetch personalized data based on user's language, interest, locations and other activities</li></ul>

	<ul style="list-style-type: none"> <li>Developed a Push Notification authoring Admin web app using Firebase APIs.</li> <li>Also developed a reusable mobile app push notification library based on notify as an NPM package which was integrated with many other mobile apps in the organization with very few simple steps</li> </ul>
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<b>Project</b>	<b>Farmer 360 Mobile App (CRM App)</b>
<b>Description</b>	This is an offline enabled mobile application which works like a CRM to the Farmers engaged with the organization. It also has capabilities of Visit Management.
<b>Technologies</b>	React Native, Node.js with feathersJs, SQLite
<b>Responsibilities</b>	<ul style="list-style-type: none"> <li>Development of the application and enable offline capabilities in the app</li> <li>Handling the synchronization logic of the data which flows mobile to the server and vice-versa based on the logged-in user.</li> <li>Handling of specific role base Authentication and Authorization.</li> <li>Handle UI changes based on the logged in user role</li> <li>Built API's as a common shared library to be used for both web and mobile app.</li> <li>Built many reusable components and generic frameworks to aid faster development and avoid duplication.</li> <li>Setup the Firebase project used for Authentication for all the environments</li> </ul>

<b>Project</b>	<b>Farmer 360 Web App</b>
<b>Description</b>	The application was a CRM Application for Farmers engaged with the organization and also had a SaaS based lending platform and few other features.
<b>Technologies</b>	React.js, Node.js with feathersJs, MySQL, Docker, Docker-compose, Makefile
<b>Responsibilities</b>	<ul style="list-style-type: none"> <li>Development of the application as per business requirements and changing business requirements.</li> <li>Created many reusable components and generic frameworks for the UI and Microservices.</li> <li>Developed, maintained and managed most the microservices required for the CRM application.</li> <li>Developed and managed the Devops platform of the organization, wrote most of the docker-compose files for the microservices, created custom docker images and aided in developing a Devops Pipeline for deployment.</li> <li>Was instrumental in spinning up AWS EC2 instances, S3 Bucket, Load balancers and RDS</li> <li>Was responsible to setup the complete production environment on AWS</li> <li>Migrated the application from using Sequelize ORM to TypeORM.</li> </ul>

	<ul style="list-style-type: none"> <li>• Rewrote many of the microservices which were needed for synchronization of mobile app with TypeORM.</li> <li>• Also, was instrumental in setting up an Airflow job scheduler to run few scheduled jobs.</li> </ul>
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**Company:** Coradius Technologies Pvt Ltd.

**Role:** Software Engineer

**Duration:** September 2018 – June 2020

### Projects and Responsibilities:

<b>Project</b>	<b>Smart Cover Web App</b>
<b>Description</b>	The application was the one stop solution for all type insurances like term insurance, health insurance and automobile insurance. It provides standard comparisons of services and offers from all the insurers.
<b>Technologies</b>	Node.js with Fastify Framework
<b>Responsibilities</b>	<ul style="list-style-type: none"> <li>• Developed a Backend for frontend microservice based on NodeJS as a middleware which sits in between the Smart Cover webapp and the Insurer backend.</li> <li>• Aided in migrating the metadata from Excel sheet to DB using basic python scripts.</li> <li>• Developed custom parsers to transform the SOAP API's to JSON format and vice-versa to accommodate insurer API formats.</li> </ul>

<b>Project</b>	<b>MF Mobile App</b>
<b>Description</b>	The aim of the application to give a handy access for a user to mutual funds, investments, loans and deposits, with custom and user friendly UI.
<b>Technologies</b>	React-Native, Python-Django, Node.js.
<b>Responsibilities</b>	<ul style="list-style-type: none"> <li>• As a starter I was involved in data binding of all the screen using provided Backend API's .</li> <li>• Handled routing mechanism in the application to route from screen to screen.</li> <li>• Handled data ingestion mechanisms from csv, excel etc formats to a database using a python script, parallelly incorporated data processing to eliminate duplicates to improve data quality.</li> </ul>

<b>Project</b>	<b>Message Regex Generator</b>
<b>Description</b>	A web application used to create, review and edit regex for text messages.
<b>Technologies</b>	Sails.js.
<b>Responsibilities</b>	<ul style="list-style-type: none"> <li>• Explored possibilities of creating indexing for tables in database, and accomplished the task with creating indexes, and found out root cause for failures of old indexes.</li> <li>• Implemented a simple architecture to easily figure out the flaws in existing regex expressions, this is done by adding convenient status codes to existing regex expressions. This process of status codes</li> </ul>

	<p>was also replicated to UI of the tool. This helped us in figuring out all the issues with regex.</p> <ul style="list-style-type: none"> <li>Responsible for maintenance and performance of the tool</li> <li>Developed python scripts to move huge data from a master table to a newly created table with unnecessary status codes which helped to improve tool performance by 50%, these scripts are periodically run as a cron job.</li> </ul>
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<b>Project</b>	<b>Moneysmart Mobile App</b>
<b>Description</b>	The main theme of the app is to give timely financial suggestion to the user, with a list of upcoming expenses and past expenses tracked via text messages in the mobile.
<b>Technologies</b>	React-Native, Python-Django, Node.js.
<b>Responsibilities</b>	<ul style="list-style-type: none"> <li>As a kick start to my career I started on minor bugs fixes on python backend issues.</li> <li>Handled ruby scripts to change unprocessed message status codes to a different status code in order to reduce traffic on torquebox processing, and employed different scripts to get the status back to origin, this process is achieved by employing a cron job, this task helped us to waive of the blockages of writing regex expressions at our working time.</li> </ul>

#### Technical Expertise:

<b>Programming Languages</b>	Javascript, Python, PHP and C
<b>Web Technologies</b>	HTML, CSS, React.js, sails.js, Django
<b>Cloud Infrastructure</b>	AWS
<b>Devops</b>	Docker, Docker swarm
<b>REST Frameworks</b>	Express, FeatherJS, Fastify
<b>Mobile Application Framework</b>	React Native
<b>Database System</b>	MySQL, Sqlite3
<b>Skills</b>	Web Development, Android Development

#### Education:

<b>B.Tech</b>	Computer Engineering from NITK Surathkal	CGPA of 5.93
<b>Class 12<sup>th</sup></b>	Board of Intermediate Education, Andhra Pradesh	97.60% (Agg.)
<b>Class 10<sup>th</sup></b>	State Board, Andhra Pradesh	CGPA of 9.0

#### Strengths:

- Proficient in collaborating with teams to drive successful outcomes
- Adaptable and quick to learn, effectively handling changing deliverables
- Demonstrate a commitment to continuous improvement by learning from past mistakes

**Personal Information:**

- **Date of birth:** 10<sup>th</sup> October, 1995
- **Mobile number:** +91 7022089844, +91 9440661175
- **Mailing address:** vsanthoshnayak15@gmail.com
- **Languages Known:** English, Telugu, Hindi
- **Hobbies :** Travelling, Listening to music

**Declaration:**

I hereby declare that all the above information furnished by me is true and correct to the best of my knowledge.

**Place:** Bengaluru

(V Santhosh Kumar)

**Date:** 9<sup>th</sup> October 2023