

# Sandeep Sannan

Software Engineer [Java , Spring Framework & Spark Framework]

## Contact Information

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## Summary :

- **Nearly 7 year** of experience in **Java** using the extreme programming (XP) practices like Pair Programming and Continuous Integration.
- Expertise with various technologies and frameworks like jsp, servlet, spring ,spring-boot, hibernate ad spark
- Familiarity with Html, JavaScript, jQuery, Bootstrap, React, Angular 2, Responsive web design and Css.
- Hands on experience on Eclipse IDE, STS, IntelliJ idea IDE, Android Studio, VScode and good at various short cuts for refactoring code, debugging, formatting etc.
- Followed the SCRUM methodology using JIRA and involved actively in various ceremonies like Planning (estimating Story Points, using Planning Poker), Daily Scrum, updating the stories, task boards, burn down charts and retrospective.
- Good debugging skills and can identify problems quickly
- Synchronizing, committing and merging the sources using GIT frequently as part of the continuous integration

Programming Languages	<b>Core Java, Core Python</b>
Web Technologies	<b>JSP, Servlet, HTML, CSS, JavaScript, jQuery, React</b>
Databases	<b>Oracle, MySQL, PostgreSQL, SqlLite, H2, MongoDB, Redis, Cassandra, Elastic Search 6</b>
Software Tools	<b>STS, Eclipse, Android Studio, InteliJidea, PyCharm , VScode, Atom, Maven, Grade</b>
Architectures/Frameworks	<b>MVC, Netflix Conductor</b>
Dev Methodology/Approaches	<b>Scrum and Agile</b>
Data Framework	<b>Spark</b>
Web Frameworks	<b>J2EE, Spring MVC, SpringBoot, Spring Data and Hibernate, Spring Batch, Spring Security, Express, React, Angular*, Bootstrap and Android</b> [*familiar]
Cloud Technologies	<b>Aws , Azure</b>

## Work Experience:

- Cell Technologies Pvt Ltd: Junior Software Engg
- Cerone Info Tech : Full Stack Developer (Java and Android Developer)
- Uvionics Private Limited : Full Stack Developer (Java Spring and Angular Developer)
- Infosys : Technology Analyst (Spark , Node , React )
- Ernst And Young – GDS : Associate Technical Lead – Advanced Engg Practicing

## Projects

Hadron Platform		<u>Client</u> <b>TRowePrice</b>
<u>Role</u> <b>Software Engineer</b>	<u>Duration</u> <b>Feb 2020 To Till</b>	<u>TeamSize</u> <b>22</b>
<u>TechnologyStack</u> <b>Java, Oracle, Postgres, Spark , Spring , AWS (S3, Lambda, EC2, EMR , Step Functions and State Machines, SQS, Aurora-Postgres, Data Lakes) ,Grpc and ProtoC , Apigee, IntelliJIdea etc</b>		
<p>The Investment Data Warehouse (IDW) was created to serve as the Single Source of Truth (SSoT) for Investment Book of Record (IBOR) data. As the SSoT for IBOR data, the IDW must ingest data from a variety of internal and external sources, validate the data to ensure high quality and store data in a format optimized for distribution to end consumers.</p> <p>Since the initial inception of the IDW, both the business and technology landscapes have gone through evolutionary changes. With these changes the current implementation of the IBOR is not expected to be able to continue to adequately support the changed consumer needs.</p> <p>To adequately support the needs of consumers , scale for the future, respond quickly to the rapid pace of change in both business and technology and be aligned with the latest data policies, future implementation of the IBOR SSoT will be aligned with the Enterprise Data Architecture strategy for SSoT platforms and conform to the latest Enterprise Data Management policies.</p>		
<u>Responsibilities:</u> <ul style="list-style-type: none"><li>• Created spark data pipeline to ingest data from source, which can perform various transformation on different attributes and various calculation based on business requirements and finally loads data into target database (Oracle/Aurora-Postgres)</li><li>• Created or implemented various DDLs and DMLs which load data in the load stage</li><li>• Maintained and updated the liquid base scripts for Aurora</li><li>• Involved in design with client, gathered requirements and implemented frameworks for different requirements</li><li>• Involved in implementation of step functions and lambdas in AWS</li><li>• Actively involved in releases for dev sit and stages for different components and pipelines</li><li>• Implemented various APIs for different data models as per requirements</li><li>• Involved in code reviews, maintaining code base and merging into master</li><li>• implemented /Updated gitlab.ci pipeline files as required.</li><li>• Followed Jira practices rigorously</li><li>• Work on bug fixing and improving application performance. Continuously discover, evaluate, and implement new technologies to maximize development efficiency</li></ul>		

<b>Studio A2 Platform</b>		<u>Client</u> <b>AmEx</b>
<u>Role</u> <b>Senior Software Engg</b>	<u>Duration</u> <b>Jan 2019 To Jan 2020</b>	<u>TeamSize</u> <b>20+</b>
<u>TechnologyStack</u> <b>A2 Engine: Java Maven, Gradle, Elastic Search, Cassandra, Redis, Postgres, Docker</b> <b>Micro services: Spring-boot, S3</b> <b>Other : Open Shift, Kubernetes, Jenkins, Bitbucket, Confluence, Jira</b>		
<p>Studio A2 utilize the existing Netflix conductor, which is a orchestration engine that has cloud capabilities. A2 can orchestrate microservices based on the DSL [ workflow and task definitions ]. Amex upgraded conductor with Cassandra-Redis db combination to drive the business logic which suits them.</p>		
<u>Responsibilities:</u> <ul style="list-style-type: none"> <li>• Involved in design and integration of Cassandra and Redis modules for studio A2 engine.</li> <li>• Updated the elastic search module to support AmEx requirements for Netflix conductor.</li> <li>• Developed docker containers for various project modules</li> <li>• Designed developed and integrated the studio A2 engine to the studio workflow scheduler</li> <li>• Involved in development of various spring boot micro services which are required for the workflow</li> <li>• Involved in updating the workflow and associated task definition required for studio a2 engine. Eg : KYC for Argentina , Spain , Mexico etc.</li> <li>• Responsible for JUNIT test cases. Also implemented Cucumber test driven development practices when needed.</li> <li>• Implemented Jenkins scripts for CI and Integrated XLR for CD for new application as required.</li> <li>• Involved in code review and secure scrum sprints</li> <li>• Synchronizing, committing the sources to Bit bucket, moving changes to production and production health monitoring. Good awareness of open shift.</li> <li>• Work on bug fixing and improving application performance. Continuously discover, evaluate, and implement new technologies to maximize development efficiency</li> </ul>		

<b>Telehealth App Platform</b>		<u>Client</u> <b>Uvionics Private Limited</b>
<u>Role</u> <b>Software Engineer</b>	<u>Duration</u> <b>April 2017 To May 2018</b>	<u>TeamSize</u> <b>15</b>
<u>TechnologyStack</u> <b>Server: Java, R, MySQL, MongoDB, Kafka</b> <b>Webapp : Java, HTML, JavaScript, jQuery, Ajax, Angular, CSS, Ubuntu, Bootstrap, Eclipse, Maven,</b> <b>Android and IOS: Java, Swift, Various API for look and feel, Android Studio, Xcode</b>		
<p>Research, Development and Deployment of a Health care Platform to perform Vital-Sign Analysis. The solution includes fetching data from blue tooth enabled devices (ECG Watch-Contec-CMS50K &amp; Pulse Oximeter –Berry Med- BM1000C) using mobile App and real time storage of this data in Azure. Further to data storage the analytical and machine learning engine performs the signal analysis on received data and provided meaningful insights to Doctors and Patient to access their health conditions. ECG and PPG analysis includes ailment detection, Trend/Prediction/Pattern recognition and also providing health insights through Artificial Intelligence. The end customers of this application includes patients at Hospitals, inmates at old age homes and those who prefer to monitor their health at fingertips. Both Mobile and Browser App versions were developed to meet varying needs of customer.</p>		
<u>Responsibilities:</u> <ul style="list-style-type: none"> <li>• Designed various data models for the app.</li> <li>• Integrated Hibernate and MongoDB.</li> <li>• Integrated R into server side app. Familiar with modifying R programs as required for server side integration.</li> <li>• Designed server api calls for android app/ios app posting and getting the required information to and from server side using Java Spring [Rest Controllers].</li> <li>• Designed spring security using token authorization.</li> <li>• Responsible for maintaining proper data objects in android side</li> <li>• Responsible for writing syncher calls to pass data between Android application and app server for the android side.</li> <li>• Responsible for complete JUNIT test cases for all the http server calls.</li> <li>• Involved in code review and responsible for writing the task cards</li> <li>• Synchronizing, committing the sources to GIT, moving changes to production and production health monitoring.</li> <li>• Work on bug fixing and improving application performance. Continuously discover, evaluate, and implement new technologies to maximize development efficiency</li> </ul>		

<b>My Kin Health</b> <a href="https://www.mykinhealth.com/">https://www.mykinhealth.com/</a>		<u>Client</u> <b>My Kin Health LLC</b>
<u>Role</u> <b>Junior Developer</b>	<u>Duration</u> <b>Jan 2016 To Dec 2016</b>	<u>TeamSize</u> <b>5</b>
<u>TechnologyStack</u> <b>Webapp : Python, HTML, JavaScript, jQuery, Ajax, CSS, Ubuntu, Pycharm, Bootstrap, Amazon ,Payments, Stripe, PayPal</b> <b>Android : Java, Various API for look and feel, Android Studio, Gradle, Windows</b>		
<p>My Kin Health is an online portal for effectively managing the health of your dear ones by closely tracking and controlling every aspect of their healthcare. This helps in storing the patient health records and creating the preventive health reports under the guidance of US Doctors.</p>		
<u>Responsibilities:</u> <ul style="list-style-type: none"> <li>• Designed, Developed and Tested the Android Application.</li> <li>• Designed server api calls for android app for getting the required information from server side using Django Framework.</li> <li>• Understanding of layouts and views for activities, Designed Layout for android application.</li> <li>• Responsible for writing Code inside Android activities as required by the application.</li> <li>• Responsible for marking geo position of guardians and kins (address) and drawing polylines in google maps to show drive location between kins and guardians/hospitals .</li> <li>• Responsible for materialized look and feel for the entire app.</li> <li>• Responsible for writing syncher calls to pass data(JSON data) between Android application and server from the android side.</li> <li>• Designed facebook and google login for android app.</li> <li>• Responsible for maintaining proper data objects in android side.</li> <li>• Responsible for complete JUNIT test cases for the syncher calls.</li> <li>• Involved in code review and responsible for writing the task cards.</li> <li>• Synchronizing, committing the sources to GIT, moving changes to production and production health monitoring.</li> <li>• Responsible for complete testing of app for different screens in different android version (kitkat, lollipop, marshmallow) to avoid app crashing issues.</li> <li>• Work on bug fixing and improving application performance. Continuously discover, evaluate, and implement new technologies to maximize development efficiency</li> </ul>		

<u>[Infosys]</u> <b>Dowjones – Printweb</b> <b>DJcommerce, Mirage</b>		<u>Client</u> <b>Dowjones/NewsCorp</b>
<u>Role</u> <b>Technology Analyst</b>	<u>Duration</u> <b>April 2018 To Jan 2019</b>	<u>TeamSize</u> <b>7</b>
<u>TechnologyStack</u> <b>Server: Node(Express), MongoDB</b> <b>Webapp : React, HTML, JavaScript, jQuery, CSS, Bootstrap, VScode</b>		
<p>News Corp is a global diversified media and information service company focused on creating and distributing authoritative and engaging content to consumers and businesses throughout the world. I have worked for Barron's and Wall Street Journal [WSJ]. We developed many pages which help customers to get new subscriptions and to renew the currently subscribed publications. Also we done pages where people can gift subscriptions to their loved ones. We also done some pages which can be used by authorities from DJ to promote their journals / magazine with the help of results from their data analytics team. They can use this pages to promote journals / magazines via emails.</p>		
<u>Responsibilities:</u> <ul style="list-style-type: none"> <li>Designed various routes for the app.</li> <li>Integrated MongoDB and used mongoose</li> <li>Designed server api calls for transferring data to and from react front end apps</li> <li>Used security [centralized token server] from Dow Jones</li> <li>Partially Designed screens for Printweb and DJcommerce</li> <li>Prepared JEST test cases for all the http server calls.</li> <li>Involved in code review and responsible for writing the task cards</li> <li>Synchronizing, committing the sources to GIT, moving changes to production and production health monitoring.</li> <li>Work on bug fixing and improving application performance. Continuously discover, evaluate, and implement new technologies to maximize development efficiency</li> </ul>		

<b>One – Delivery</b> <a href="http://onedel.cerone-software.com/">http://onedel.cerone-software.com/</a> One – Del is an e-commerce Android app with all in one features. It has multiple modules like courier, Shopping, Grocery, Taxi, Transport.	<b>Wifibeas Technologies</b>
<b>Adz Shop</b> <a href="http://www.adzshop.co/">http://www.adzshop.co/</a> <a href="http://server.adzshop.co/">http://server.adzshop.co/</a> Adzshop is an integrated advertising solution provider. Single point contact for all your marketing requirements including Outdoor, indoor, moving, radio, television, human billboard, print media.	<b>Wifibeas Technologies</b>
<b>Buildfast ERP</b> BuildSuperfast is the only comprehensive ERP solution where technology meets in-depth civil knowledge gained by handling hundreds of clients from the civil domain alone.	<b>Steerforth.in</b>

## **Education**

**B.Tech in Electronics And Communications (2012)**

## **Software Carrier Summary**

- **Worked as junior software developer /app developer support in Cell Technologies Pvt Limited (1 year 8 months)**
- ***Worked as software developer in Cerone Info Tech (1 year)***
- ***Worked as full stack software engg in Uvionics Private Limited (1 year)***
- ***Worked as Technology Analyst for Infosys Limited (11 month)***
- ***Currently working for Ernst And Young (GDS) as Associate Technical Lead (2 Year +)***

## **DECLARATION**

I am confident that I shall strive & succeed in the position applied to the satisfaction of my superiors & justice the assignment entrusted on me. The information furnished above is true to the best of my knowledge.



Sandeep Sannan  
15/Dec/2020

