

Innominds (Hyderabad)

Principal Engineer - Software Engineering - Aug 2013 – Aug 2017

At Innominds, as an Individual Contributor - I predominantly contributed to multiple projects under different customers.

Key Accomplishments

Nokia CEMoD - Customer Experience Management on Demand

Client	<u>Nokia Networks</u>
Environment	Java, Hadoop (MapReduce, HDFS and Hive), Storm ETL, HBase, Quartz

Nokia CEM on Demand offers an unprecedented view of your customers' experiences, allowing every function, from operations to marketing to customer care, to access and share information. From a bird's eye view, the CEM system is nothing else than an insights and reporting system working on top of a data warehouse, where all transactions of the subscribers are stored. These transactions are permanently received from the network (more precisely: from the probes installed in the operator's network) and aggregated inside of the data warehouse. Users at the northbound can then run reports on these transactional data or create useful insights about the customer experience by means of running queries on these aggregated data.

Responsibilities:

- Working for Idea – India customization
- Developing Storm topologies to load data into HBase from various Network Probes
- Developing workflows using Drools based Nokia's proprietary workflow engine
- Data aggregation jobs using MapReduce
- Made a generic framework for Storm topology deployment

HawkEye AP: The Analytics Platform

Client	<u>Hexis</u>
Environment	Java EE, Spring (IOC, MVC, JPA, and Security), Ambari, EDW, and Postgres

HawkEye AP is a powerful Event Data Warehouse (EDW) that enables advanced security analysis, detailed forensics and ad hoc investigations on a wide variety of data formats at very large scale. The only EDW designed specifically for event data, it collects and stores more data, from more sources, over longer periods of time compared to other solutions. HawkEye AP helps organizations quickly apply advanced analytics and correlation across multiple, voluminous data sets that span extended timeframes for greater insights and better asset protection.

Responsibilities:

- Module lead for Advanced Analytics & Analyzer
- Developed Multi Realm LDAP/AD Authentication feature
- Developed Report History module for 6.2.0 +
- Developed Query Cancellation feature that spans across Postgres, OAE and EDW
- Server-side components and REST APIs and Unit Tests
- Developed a feature to store log collection data to HDFS
 - Using Flume, collecting log data stream on to HDFS
 - Used Hive for analytics
 - Map Reduce jobs for some specific analytics
- Support for 5.x, 6.x and legacy consoles.
- Responsible for SonarQube compliance and Code Reviews

vSpace Management Center for the vSpace Virtualization Platform

Client	NComputing
Environment	Java EE, Spring (IOC, MVC), FTL, jQuery, Tomcat 7, Linux, Maven, Git

For organizations deploying NComputing desktop access devices, vSpace Management Center provides a highly scalable, flexible and easy to use a single point of device management. With its web-based console, IT administrators can manage client devices and vSpace Server instances from anywhere, anytime. vSpace Management Center helps organize a deployment whether it is a single site or multiple sites – and makes it easy to perform management tasks remotely including firmware updates, batch configuration changes, device resets, and vSpace Server configuration. By allowing administrators to access and manage client devices and vSpace Servers from a single interface, regardless of the location, size or number of vSpace virtualization environments, vSpace Management Center dramatically reduces the administrative overhead IT managers need to maintain and control their environment.