Mohit Kumar Agrahari

Mumbai, India, IN • mohitagrahari143@gmail.com +91-8108354726
Software Engineer at Capgemini

Summary

Have worked as a Software Engineer at one of the leading multinational organization Capgemini with over 2 years in software development, I am looking for a role which lets me utilize my technical experience and knowledge efficiently for my personal and organizational growth.

Work History

JUN 2015 - Present **Software Engineer at Capgemini**

I have worked with a team towards developing software applications for various clients which involves development of java based standalone applications and web applications adding Web Services for it.

Projects

1. **SST –**
   - Worked in SST Application as a part of the General Electric–GE POWER. Technology involved for making the application included PREDIX 2.0, Spring Boot, Java, HTML 5, AngularJS, PolymerJS and Postgres.

     Project summary:

     1. An On-premise solution targeting the Indian Customer.

     2. Application to deploy the analytic on the client plant location and display the analytic result on User Interface

     3. Scheduling execution of Analytics and display the Alarms generated by the Analytics

     4. The application uses Proficy Historian to read the Real-time data to execute an Analytic

     5. Application Makes use of Postgres to store all transaction Data, configuration level details and Asset Hierarchy.

     6. Polymer components were used to create interactive User interface.

7. The Authentication and Authorization was implemented using Java service.

8. Kairos DB with Cassandra were used to store the timeseries data.

9.Grafana BI tool was integrated with Kairos DB to generate timeseries Graphs.

Role: Senior Software Developer

Technologies: Java, Python, Spring Boot, HTML5, Proficy Historian, KiarosDB, Cassandra, Grafana, Postgres, Windows Server 2012

Development responsibilities:

1. Direct interaction with Client as work on Client Location
2. Development of Customer facing application and remote analytic deployment application using PolymerJS 1.0
3. Designing of Database Schema.
4. Demos and presentation
5. Development of Restful web services using Spring Boot technology.
6. Implementation of Spring Scheduler for timely analytic execution.
7. Validation of Analytics as per ARF standard.
8. Integration, testing and Deployment of Services.
9. Installation and setup of Kairos and Cassandra.
10. Python Analytic Executor using Flask framework

2. **Fleet Asset Management** –

A digital representation of physical assets installed at various locations. It provides asset data visualization, navigation using paths on map, operational intelligence and assistance on survey, installation and audits.

Project summary:

Users can view and manage their assets and plants through web application.

Role Based User Access for Admin, Supervisor and General User.

Used Predix platform (Paas) for deployment and maintaining the application.

Application uses UAA service for authentication, PostgreSQL service for relational database and Asset service for NoSQL database.

Web app uses Open Layer maps location API for visualizing the assets and pipeline paths on entire globe.

Development responsibilities:

1. Development of Restful web services using Spring Boot technology.
2. Used OpenJPA as ORM tool and Criteria Builder for runtime queries.

3. Application deployment in Cloud Foundry.

4. Code versioning using GIT repository.

Technologies/Tools used:
SpringBoot with Maven, OpenJPA, PostgreSQL, Cloud Foundry, GIT, PGAdmin, Predix, STS [Spring Tool Suite]

3. **Installation Lifecycle Management**–

A digital representation of physical asset's life cycle. It Provides Asset Data Visualization, Operational Intelligence & Assistance on Survey, Installation & Audits.

Project summary:

The installation and servicing process is entirely processed using web app and survey is performed using mobile app.

Role Based User Access for Project Manager and Contractor

Used Predix platform (Paas) for deployment and maintaining the application.

Application uses UAA service for authentication, Blobstore service for uploading the media (files, images), PostgreSQL service for relational database and Asset service for NoSQL database.

Web app uses google map Geo location API for visualizing the assets on entire globe.

Development responsibilities:

1. Development of Restful web services using Spring Boot technology.

2. Application deployment in Cloud Foundry.

3. Code versioning using Git repository.

3. Standalone application for automating pushing of the data from MSSQL database to PostgreSQL database that run on OSGI container.

4. Development of analytics component for scheduling and orchestrating services using spring scheduler and Predix Analytics Framework.

Technologies/Tools used:
SpringBoot with Maven, Spring Data JPA, PostgreSQL, Cloud Foundry, GIT, PGAdmin, Predix, STS [Spring Tool Suite]

4. DevOps Enabler Platform

DevOps (a clipped compound of "development" and "operations") is a software development and delivery process that emphasizes communication and collaboration between product management, software development, and operation professionals.

Project summary:

Users are required to check the quality of their code and also had to check some guidelines of effective coding standards. DevOps was developed to provide user-friendly interface over Jenkins and different tools. It consists of testing stages such as code quality, static testing, penetration testing, regression testing, performance testing and load testing. It also gives users facility to deploy in different environment such as Development and production. Multiple testing tools such as SonarQUBE, Yasca, CheckMarx, SOAPUI, SahiTest, JMETER and more were integrated with DevOps to achieve the target.

Development Responsibilities:

1. Designing of complete web application using HTML 5 and CSS.
2. Developing backend logic and services required for the application.
4. Code versioning using SVN repository.
5. Deployment of the application in Tomcat server.

Technologies/Tools used:
Spring Framework with Maven, Spring Web flow, Hibernate, MySQL, SVN, MySQL Workbench, STS [Spring Tool Suite]

Trainings Attended

- J2EE training by IGATE Corporate University
- Spring boot web services using STS, HTML 5
- Predix Boot Camp
- Python
- Angular JS
- PostgreSQL

Skills

Technologies:	Core Java, J2EE, Spring MVC, Spring Boot, Hibernate, OpenJPA, JdbcTemplate, Spring Data JPA, Python, AWS, ADFS
Database:	MySQL, PostgreSQL, Cassandra
Repositories:	GIT Repository, SVN Repository
Tools and other Utilities:	Eclipse, Spring Tool Suite (STS), SOAP UI , Rest Client [Postman], MySQL Workbench, PGAdmin, PyCharm, Visual Studio Code, IntelliJ, TortiseSVN/GIT

Rewards and Recognition

- IGATE level-1 Training in J2EE.
- Predix Certification [Certified Predix Developer by GE]
- POB award for Jan –March quarter in 2016
- POB award for Jan –March quarter in 2017
- Participation award in White paper competition on Big Data[Hadoop]

Education

2016 – 2018	Masters of Science in Information Technolgy [Pursuing] Ramniranjan Jhunjhunwala College, Mumbai	78% [P1]
2012 - 2015	Bachelor of Science in Information Technology Ramniranjan Jhunjhunwala College, Mumbai	75%
20010-2012	HSC Maharashtra Board	74%
2009-2010	SSC Maharashtra Board	89%

Personal Information

Date of Birth	21st May 1992
Languages	English, Hindi
Hobbies	Reading Technical Books, Teaching