

K.Prem kamal

Contact details

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EXPERIENCE SUMMARY

Working as Software developer with an experience of 2+ years in Persistent Systems Ltd,Pune.

TECHNICAL SUMMARY

Primary skills: Analysis, Designing, Development, Implementation
Languages: Java
Frameworks: Spring Boot
Web-Technologies: Angular 2+
Web Services: REST
Database: PostgreSQL
Build Tool: Apache maven
Version Control: Git

Educational background

- B.Tech from Gandhi Institute of Engineering and Technology,gunupur
- Completed B.Tech in year 2016 with 7.27 cgpa
- Completed X(CBSE) (6.6 cgpa) and +2 Intermediate(SSC) (89%)

Work Experience

1. Working on a health science related project with Agilent client in Persistent Systems.(Duration-2.4 yrs)

Abstract:

It is a research desktop application, which focuses on variant calling. Reduces time-to-results from days to hours without complex IT infrastructure or special hardware. This easy-to-use tool performs all of the analysis steps from raw sequence alignment, mutation categorization, and visualization with options for linking to external databases.

Responsibilities:

- Involved in analysis, design, development and implementation of this application.
- Designed various sharing features in the application where users share their job with others with some restrictions involved.
- Designed and developed restful services, UI handlers, core services and data access layer.
- Implemented various design patterns in the code.
- Developing components, routes, html templates, etc. for UI development in Angular 2+.
- Testing the backend using Junit and mockito.
- Used Git for revision control, working in and switching between different branches.
- Designed and created the database tables and wrote PL/SQL stored procedures and triggers.
- Worked on various spring frameworks within application – Spring AOP, Hibernate.

2. 5 node Test & Development cluster in Openstack(Duration-2 months):

Abstract:

The project involved virtualizing all the servers using virtualbox and configured Keystone (Identity and Access Management), Nova (compute service), cinder (block storage service), glance (image repository) and horizon (dashboard) using openstack junos release, to create self service private cloud on premise, converting all the physical assets into pool of virtual assets for T&D workloads

Responsibilities:

Installing and configuring various openstack services, monitoring the platform after deployment and address various service requests

Enhancements:

1. Installing the Icinga2 and IcingaWeb on the master server, IcingaWeb helps by providing the real-time User Interface status of all services.
2. Integrated grafana with the Icinga Master ,Grafana is used to visualize time series data using Influxdb.

Achievements:

- Participated in the hackathon, an event involved developing applications with in a span of 24 hrs which was hosted by Persistent Systems. I contributed my team with creating an end to end web application and further integrated it with the NLPs developed by my teammates.
- Participated in the technothon, an event involved finding solutions through latest technologies. We used IOT as our technology to detect the over speeding of a vehicle and sending the warnig to the application. I contributed by programming the Raspberry Pi OS to call the REST endpoints and developed the REST end APIs and UI for the end user.

Trainings Undergone:

- Various Cloud vendors AWS.
- Undergone training in java and developed various j2EE applications.
- Undergone training in IOT.