**SUDHEESH V.K**

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**Objective**

My stated objective and focused approach is to work in an organization or a university where I can acquire knowledge, fully utilizes my skills and get global work exposure.

**Professional Summary**

* Having 6.5+ years of experience in developing IOT,Web and Enterprise ,Microservices based application development using technologies Java / J2EE, Vaadin ,Vert.x, Spring, spring boot,Spring security, spring web mvc ,Oauth 2.0 ,Spring Cloud, Spring Cloud Stream ,Hibernate and Spring Data JPA.
* Hands on experience in AZURE and AZURE Devops cloud services
* Experience in AWS cloud services
* Hands on experience in KAFKA
* Hands on experience in Kubernates and Docker
* Hands on experience in React Js and Angular Js and Angular
* Hands on experience in Core Java, JDBC, Servlets, JSP, JavaScript, JQuery, Ajax.
* Hands on experience on Junit, cucumber test frame work ,Splunk ,wiremock ,mockito.
* Hands on experience in using Tomcat servers.
* Hands on experience in using Eclipse.
* Experience in version control using GIT.
* Experience in SQL DBMS, Mongo DB ,Postgres Sql, Liquibase.
* Knowledge of Restful Web Services
* Hands on experience in Microservice orchestration using tools like Zeebe
* Experience in agile approach of software development
* Onsite experience.
* Good Team player and also have ability to work independently.
* Adaptive to learn new technologies.
* Easily mingle with any environment and hardworking nature.

**Technical profile**

**Language:** Java (JAVA 8), C, C++.

**Java Technologies:** Servlets, JSP,JDBC,JEE,JPA.  
**Frame Works:** Spring, Vaadin , Vert.x.  
**ORM Tool:** Hibernate.  
**Web Technologies:** Java Script, Angular JS(v1),D3JS,XML,HTML,CSS, jQuery, Ajax.

**Databases:** Oracle, Sql, Mongo DB,Postgres Sql

**Web Server:** Tomcat,Jetty,Undertow

**Cloud Technology:** AWS ,AZURE  
**Operating Systems:** Windows Family, MS DOS, Linux.  
**IDE:** Eclipse.

**Tools:** Inubit suite, Sonar.

**Others:** Git version control system, Maven build tool, Jenkins

**Certificates and Awards**

SET certificate holder for Assistant professor for lectureship form University of Mysore.

Proficiency in English language with IELTS from British Council.

Best developer and orator for software design principles by Bosch.

**Professional Experience**

Worked as Developer in Robert Bosch Engineering and Business Solutions Limited, Since January - 2014.

Currently Working as application developer specialist at Volvo IT Bangalore

**Project Description**

**Project Name: Multi Modal Ticketing System**

**Project Details:** MMTS (Multi modal Ticketing System) is a product which aims at providing seamless and cashless transactions over the various modes of transports such as Auto, Bus, and Toll etc. with the help of smartcard based technology. The application is segregated in two parts. MMTS Web application and MMTS transaction Layer.

MMTS Web application involves the UI Portal Where function like registration, report viewing, Profile assignment etc. can be carried out.

MMTS Transaction layer involves the synchronization of transaction from the device with the database.

**Role: Developer**

**Responsibilities:**

* Involved in understanding and analysis of application requirements
* Involved in developing RESTFull web services for MMTS web Application.
* Involved in developing UI Framework for MMTS Web Application(UI Portal).
* Was Responsible for developing the Reports and Graphs.
* Was Involved in developing the Database Schema was MMTS Appication.
* Was Involved in Writing the Junit Test cases for MMTS Web Appication.
* Was invovled in developing Profile-Role Based Authentication and Access for MMTS

Web Application.

* Was Involved in writing web services for MMTS Console application

**Project Name: SIAPPDS**

**Project Details:** SIAPPDS is a product which will be used to check the health of the transformer. It gives the information about how much transformers are loaded based on some parameters. There are two modules in the product. One is admin and other is home. Admin module contain mostly transformer, users and role related information and Home module will shows what are the transformers are available on each location and how much it is loaded. The different data of transformers are plotted in the graph.

**Role: Developer**

**Responsibilities:**

* Involved in developing RESTFull web services.
* Involved in implementing UI Changes.
* Invoved in Developing Graphs.

**Project Name: Gas Refill Alert System (IOT)**

**Project Details:** The IOT project GRAS which reads the weight of the gas cylinder at the specified intervals and when the weight is reduces below a certain threshold level, a tweet message is sent to the user requesting him to refill the gas cylinder. Hence the lead time is reduced making things easier.

**Role: Developer**

**Responsibilities:**

* Was involved in understanding and analysis of requirements.
* Understanding the working of raspberry pi, and load cell.
* Used Pi4j framework for communication between load cell and raspberry pi, And to post data to cloud
* Involved in writing client program that reads data from global cloud and posts the tweets messages to tweets account.

**AMRA (An IOT application for Asset Monitoring for Rail Application )**

**Project details:** Development of an telematic product to monitore rail freigth wagons

Main Use Cases:

* Postion
* Mileage (Based on routing on GPS positions and rail map)
* Temperatur, humidity, geofence
* Alarming
* Device Management (Software Update, configuration)
* Vert.x is used for server side and vaadin for front end

**Project Name: Authentication and Authorization for VOLVO IT**

IDP stands for identity provider which authenticate and authorize all users in Volvo group for their access to the resources in the organization, the technology used in project provides multiphase authentication using spring boot, Oauth 2.0 and protect the data within the organization.

**Responsibilities:**

* Involved in development of IDP component and collecting its complex requirements
* Also involved in development of additional components to support IDP componet
* Testing the components using components test written using wiremockserver

**More details of the Project:**

Authentication and authorization of user in Volvo be it internal customer of external like Eicher motors has to authenticate their identity with Volvo and each users are provide set of permissions which is essential for them to access and perform their relevant action . Spring security and Oauth 2.0 is the framework and industry standard protocol for authorization of users has been used in the project. Spring cloud is the other technology used to implement the other nonservice’s such as user repository, permission service, authorization server, account service which are self-explanatory components used to store user related information. Florg is the component used to access the user scope within the organization.

To authenticate & authorize the user the component IDP accept user request and perform validations in coordination with these above mentioned components and issue the client with token. The user can then make use of these token which consist of user permission and scope(florg) to access other resources which are exposed as restful API’s where he need to pass this token as authorization header.

Components build from scratch: AssetAccessManger for Trucks to create user in user repository to make use of applications in devices like TGW or SEM need to have permissions and the device itself has to be mapped as user. The new component create map this devices to user and assign permission for them to able to visualize multiple apps related or enabled to the truck, such as Mileage, fuel efficiency, driver efficiency, Tire pressure etc.

**Current Project: AlphaGX Eblament (State Street)**

Under aplhpaGx umbrella there exists different divisions which seeks migaration of on primises legacy applications to cloud and integration better messaging system like KAFA along with orchestration of microservices.

Responsibilities:

* Understanding financial legacy application
* Migrating the same to microservices and takin the same to the cloud environment
* Orchistation of microservices using zeebe and Kubernates
* Handling Devops activities

**Onsite Experience**

**Onsite experience for the project AMRA.**

**Details:**

**Customer: BOSCH-SI (INST Software Innovation)**

**Location: Stuttgart, Germany**

**Have travelled several times to Gothenburg Sweden to collect requirements for Volvo trucks**

**Educational Qualification**

**MCA**  
Discipline: Computer Applications  
College: Sri Jayachamarajendra College Of Engineering, Karnataka  
Year of Graduation: 2014

Percentage: 8.85 CGPA  
  
**BCA**  
Discipline: Computer Application  
College: St Anne’s Degree College, Coorg (Affiliated to Mangalore University)  
Year of Graduation: 2010  
Percentage: 85.85%

**PUC**  
Discipline: State board  
College: St Anne’s PU College  
Year of Graduation: 2007

Percentage: 80%  
  
**H.S.C.**  
Discipline: State board  
College: St Anne’s high School, Coorg  
Year of Graduation: 2005

Percentage: 85%

**Personal Information**

**DOB:** 10-July-1989  
**Current Address:**

14th cross Vignan Nagar,

Kuvempu main road ,

Bangalore 566

**Permanent Address:**

C/O K.N Kuttappa,

Malabar Road,

Virajpet, S.coorg 571218