Vaseemahamed Mudenur

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Software Engineer with overall experience of **4 years 10 months (which includes 1 year of M.Tech internship)** in information technology and product development. Skilled in core Java, spring frameworks, Angular JS, Rest services, Maven, Bosch IoT suit, Enterprise Software and Agile Methodologies. Strong engineering professional with a Master of Technology focused in Computer Science and Information Technology Domain.

Experience Summary:

- ✓ Good understanding of OOPS concepts and experience in Java coding/scripting.
- ✓ Experience in Spring-MVC, Spring-Security, Spring-JPA, Hibernate frameworks.
- ✓ Experience in Spring Boot, Spring Cloud Microservices.
- ✓ Experience in Node.js, Express framework.
- ✓ Good Understanding of REST full Web services.
- ✓ Experience in AngularJS 1, AngularJS 2, AngularJS 4/5/6 Framework.
- ✓ Experience in JQuery, Bootstrap, CSS, HTML5 and RxJs.
- ✓ Good knowledge of MySQL RDBMS, Maven build tool and Tomcat server.
- ✓ Experience in charting Frameworks like Nvd3.js and Charts JS.
- ✓ Knowledge on Messaging Queue (Rabbit-MQ).
- ✓ Knowledge on Serial port communication with devices.
- ✓ Good knowledge of SDLC.
- ✓ Experience with wireframe designing tools pencil and Balsamic
- ✓ Knowledge on cloud foundry.
- ✓ Experience with Deployment of applications on amazon Cloud(Linux platform)
- ✓ Experience in creating backend workflows on Bosch BPM tool inubit
- ✓ Experience in Bosch M2M Management tool ProSyst.
- ✓ Experience with Bosch sensors XDK, TDL
- ✓ Experience working with Bosch IoT Cloud services

Certifications:

- ✓ Blockchain Professional from Edureka, License, AYCMGF7R.
- ✓ IBM Blockchain Essentials

Professional Experience:

- ✓ **Robert Bosch** - Currently working as a **Software Engineer** with Robert Bosch Engineering and Business Solutions Limited, Bangalore (Oct 2014 - till date).
- ✓ Worked as **M.Tech Intern** for Robert Bosch Engineering and Business Solutions Limited, Bangalore for a duration of **1year 1month** (Aug 2013 - Sept 2014).

Academic Qualification:

- ✓ Completed **M.Tech**, (Computer Science and Engineering) with an aggregate of 73.87% from Dayananda Sagar College of engineering (VTU), Bangalore in 2014.
- ✓ Completed **B.E** (Computer Science and Engineering) with an aggregate of 70.48% from KLE Institute of Technology (VTU), Hubli in 2012.

Technical and Functional Summary:

Tools	Eclipse, MySQL Workbench, Robo mongo, Tortoise SVN, JIRA, Bit bucket, Git, Pencil, MS Office, Visual studio code
Languages	Core Java, J2EE, Typescript, SQL
Web Technologies	Angular JS 1/2/4/5/6, Node JS, Rx JS, JQuery, JavaScript, Html, CSS, Bootstrap, Flexbox, XML, Ajax
Frameworks	Spring Mvc, Spring data JPA, Hibernate , Spring Boot, Spring Cloud, log4j, Junit
Platforms	Windows, Linux, Raspberry Pi
Database	MySQL, Mongo DB
Messaging queue	Rabbit MQ

Achievements & Recognitions:

- ✓ Received excellent performer award for MMTS Project in 2016
- ✓ Organized and Participated in Bosch IoT Hackathon 2017
- ✓ Presented a use case demo in the IoT workshop conducted by Bosch, which received an appreciation from management.
- ✓ Organized TChat event every week for our Dept. at Bosch
- ✓ Active member of associate connect team responsible for conducting various organizational activities.
- ✓ Received 2nd price in debate competition conducted in KLEIT
- ✓ Participated and won many intercollege programming competition
- ✓ Served as general secretary and class representative during the final year of BE.

Project Details:

Project 1:
Title: Connected Building Solution (Jan-2018 till date)
Project Details: Connected building solution provides IoT Platform for monitoring the Space and Energy consumption of a building using different sensors, it also comprises of elevator monitoring system. The platform provides a beautiful Dashboard with different features such as user management, campus management, dashboard management and device management. The platform was integrated with big data spark jobs for generating reports.
Role: Developer
Responsibilities
- ✓ Was involved in understanding and analysis of application requirements.
- ✓ Involved in designing and creating new feature for the Dashboard.
- ✓ Used Angular 5 Framework as a front end UI framework.
- ✓ Used RxJS Framework to bring out the reactive behavior in the application
- ✓ Used Bootstrap and Flexbox to make the application responsive and interactive.
- ✓ Schedule meetings with customers and management to discuss about project status and issues.

Technologies Used:
Angular JS 5, Angular-CLI, RxJs, Mongo DB, HTML, CSS, JQuery, Bootstrap, Flex Box, Spring Boot, RabbitMQ.

Project 2:

Title: Living IoT Lab (June-2017 to Dec-2017)

Project Details: Living IoT Lab is a POC that aims at using different IoT technologies in Bosch building premises making the daily business-life simple and easy. In this poc we intend to develop an indoor-location and focus-room reservation iOS app and an Admin desktop, these interfaces will let end user to locate different rooms based on their availability and can also carry out many other business oriented activities. The application uses Node.js framework for its backend business logic.

Role: Developer

Responsibilities
- ✓ Was involved in understanding and analysis of application requirements.
- ✓ Involved in creating the architecture flow diagrams for Admin desktop.
- ✓ Used Angular 2 Framework for creating front end UI logic.
- ✓ Used Bootstrap to make the application responsive.
- ✓ Used Node.js server to run the application locally
- ✓ Application deployment on BICS using cloud foundry
- ✓ Schedule meetings with customers and management to discuss about project status and issues.

Technologies Used:
    Node.Js, Angular JS 4, Angular -CLI, Mongo DB, HTML, CSS, JQuery, Bootstrap

Project 3:

Title: IOT Solutions XMR on Cloud Solution (Mar-2017 to May-2017)

Project Details: XMR 3.0 - 'XDK Monster Rentals' is the demonstrate application for the Car rental organization to help them to organize the entire business process in single window application The XMR Application was enhanced to support the cloud feature, the application was Deployed on Bosch BICS Cloud.

Role: Developer

Responsibilities:
- ✓ Was involved in understanding and analysis of application requirements.
- ✓ Involved in creating the architecture flow diagrams for cloud based application.
- ✓ Used Angular 2 Framework for creating front end UI logic.
- ✓ Bootstrap was used to enhance the application and make it responsive.
- ✓ Integrated services from BICS 1 in to XMR application.
- ✓ Application deployment on BICS using cloud foundry
- ✓ Schedule meetings with customers and management to discuss about project status and issues

Technologies Used:
    ProSyst mPRM, XMLDK Workbench, OSGI framework, Node.Js, Angular JS 2, MySQL, Bosch IOT Cloud (BICS), HT, CSS, JQuery, Bootstrap

Project 4:

Title: IOT Solutions - XMR, CMS, VAMO, HVAC. On Premise Solution (June-2016 to Feb-2017)

Project Details: 'XDK Monster Rentals' is the demonstrate application for the Car rental organization to help them to organize the entire business process in single window application. We have created the components like tasks, rentals and dashboard which can show the live telemetry data about each rented car and giving the live events like crash event, hard acceleration, rash driving etc. and based on the live event status the invoice can be generated for particular customer.

Other POC's carried out using the above architecture

    CMS - Chiller Management System

VAMO - Valve Monitoring System
HVAC - Heat Air Condition Monitoring

Role: Developer

Responsibilities:

- ✓ Was involved in understanding and analysis of application requirements.
- ✓ Involved in creating the architecture flow diagrams for different POCS.
- ✓ Creation and updating of basic Bpm inubit workflows
- ✓ Device integration using Prosyst-MPRm tool.
- ✓ Analyzing and upgradation of OSGI Bundles for ProSyst Mbs
- ✓ Analyzing Sand upgradation of UI screens.
- ✓ Creating Service and business logic using Node.js Framework
- ✓ Perform code reviews to identify basic technical and logical errors.
- ✓ Schedule meetings with customers and management to discuss about project status and issues.

Technologies Used:

BPM (inubit), BRM (visual rules), ProSyst mPRM, XDK Workbench, OSGI framework, Node.Js, MySQL, JQuery

Project 5:

Title: Gas Refill Alert System (May-2015 to June-2015)

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
- ✓ Was involved in writing client program that reads data from global MQ server and posts the tweets messages to tweets account.

Technologies Used: Core Java, Pi4j

Project 6:

Title: SAPPDS (Oct-2014 to Aug-2015)

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:

- ✓ Was involved in understanding and analysis of application requirements**.**
- ✓ Was involved in developing RESTFull web services for the application.
- ✓ Was involved in implementing UI Changes for the application.
- ✓ Was invoved in Developing Graphs.

Technologies Used:

Java Spring MVC, Spring Security, Spring Data JPA, Hibernate, Angular 1, JQuery, Html, CSS, Bootstrap, RabbitMQ.

Project 7:
Title: Multi Modal Ticketing System (Aug-2013 to Feb-2016)
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.
- ✓ Involved for developing the Reports and Graphs.
- ✓ Involved in developing the Database Schema was MMTS Appication.
- ✓ Involved in Writing the Junit Test cases for MMTS Web Appication.
- ✓ Invovled in developing Profile-Role Based Authentication and Access for MMTS Web Application.
- ✓ Involved in writing web services for MMTS Console application.
- ✓ Involved in device and software integration using serial port communication.
- ✓ Involved in Deploying the application on AWS.

Technologies Used:
Java Spring MVC, Spring Security, Spring Data JPA, Hibernate, Angular 1, JQuery, Html, CSS, Bootstrap, RabbitMQ.

Strengths and Dominance:

- ✓ Team Player
- ✓ Problem solver
- ✓ Good Communication
- ✓ Analytical Skills
- ✓ Creative
- ✓ Team Management

Personal Details and Declaration:

Date of Birth	16/11/1990
Nationality	INDIAN
Gender	Male
Marital Status	Unmarried
Languages :	English, Kannada, Hindi
Permanent Address	#16, 2nd Main Cross, HSF Nagar, Anand Nagar Road, Hubli - 580024, Karnataka.

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

Place: Bengaluru

(Vaseemahamed M)