KPHB 9th phase, Kukatpally,
Hyderabad

VIVEK LAMBA

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PROFESSIONAL SUMMARY

- Having 8 years of extensive experience in Systems Analysis, Design, Development, Implementation, Deployment and Unit Testing of various Web / Windows based applications
- Experience in Micro Services architecture applications using Spring Boot, AWS ,MQTT, My SQL and Restful Web Services
- Strong work experience in web based application development, Database Programming, Server side programming and Client Server computing in multi-threaded programming
- Experience developing Desktop based applications using Java Swing and Java FX
- Good skills in GUI design by using the HTML, CSS, Typescript and Angular JS
- Hands on experience with Managed Cloud Infrastructure like **Amazon Web Services (AWS)**
- Hands on experience in developing Android Mobile Applications
- Good exposure on Agile Technologies
- Knowledge in software security (authentication mechanisms and Cryptography Protocols)
- Good understanding of TCP/UDP protocols through network **Socket Programming**
- Self-motivated and very much passionate towards learning new technologies

LANGUAGES AND TECHNOLOGIES

J2EE Technologies	Spring MVC, Spring Boot, Rest Web Services, OAuth2, JSP 2.0
Web Technologies	HTML, CSS, Web Services, JavaScript, JSON, Angular JS
Unit test tools	Junit
Databases	Postgress SQL, My SQL, Mongo DB.
Design Patterns	Singleton
Programming Languages	Java and C#
IDEs	Spring Tool Suite and NetBeans 7.x, Android Studio, Visual Code
Other Tools	GIT, Tortoise SVN, MQTT, JIRA, Sonarqube, Putty, WinSCP, Wireshark and Omnipeek.
Application Servers	Tomcat 7.x, Mosquito Broker
Rest Testing Tools	Swagger, Postman, Advanced Rest Client
Interested to work on	Data Analytics and Machine Learning

EMPLOYMENT

Senior Software Engineer	**StratApps Solutions Private Limited**	**Jul 2019 – Till date**
Lead Engineer	**Redpine Signals Inc**	**Jan 2013 – Jul 2019**

Programmer

- Fluid understanding and experience in multiple programming languages including Core Java, HTML, Angular JS, C#, Android, Python and C language
- Interacting with Client for requirements gathering and analysis
- Knowledge on **Single Sign-on (SSO)** application development
- Knowledge on how to Pull and Push the data to the **Social Networking Sites**
- Following Agile Methodologies – Scrum, Product Backlog Refinement, sprint planning, Review, retrospective.
- Handling small development team with size of 2
- I do code reviews and help other team members on technical solutions
- Involved in designing the HLD/LLD
- Involved in Documentation writing

- Graduate Course: Bachelors of Engineering in Computer Science (CSE) from Malla Reddy Engineering College

TECHNICAL EXPERIENCE

Projects

- **xAmplify**: It is a Through-Channel Marketing Automation **(TCMA)** Platform that offers the easiest way for you to deliver the co-branded digital campaigns through your partners. It has helped so many big players in the international market achieve greater market penetration and has proved to be a total game changer for the organizations, partners and the customers. This platform provides an easy way to create and share the campaigns to partners. You design the campaigns and launch them to yours partners for redistribution. It will capture the partner and end customer metrics. Partners can also register the deals and leads. This platform will pull from and push the data to the Social Networking sites like Facebook, Twitter, LinkedIn, Salesforce and other.

  - Get full pipeline visibility with Two tier metrics
  - Increase partner engagement by reducing co-marketing workload down to a few clicks
  - Optimise partner engagement with a single platform
  - Auto-Launching of Campaigns
  - Single Sign-on

  Environment: Java, Spring Boot, REST Web Services, Postgress SQL, SSO, Social Networking Sites (Salesforce, Facebook and LinkedIn), JSON, HTML, Angular JS, Typescript, Tomcat 9, AWS Servers and Agile methodologies.

- **Asset Tracker**: Asset Tracking and Management Software provides location based visualization, reporting and management for all classes of assets and personnel in a variety of environments. It enables the enrolment of tags and assets into the system, inclusion of maps and floor plans, reporting of current and historical data, and a host of other features. It interfaces to Redpine's WiSeMote locationing solution as well as to Cisco's CMX or PI based locationing. It generates and processes alerts and notifications arising from various situations and rules, and includes an interface to Redpine's WM-CPE Chokepoint Exciter typically installed at ingress or egress points.
  The software allows individual or bulk upload of tags and assets, and allows the creation of groups and classes. The mapping and visualization functions include the provision to define zones and obtain asset reports per zone. Current inventory reports, historical asset movement information, setting of email or other notification, etc. are supported. The software can be customized for each deployment, and can be interfaced to other enterprise software and systems. It provides easy web based access.

  Environment: Java, Spring Boot, REST Web Services, My SQL, MQTT, JSON, HTML, Angular JS, Typescript, Tomcat 7, AWS Servers, Drools, Twilio and Agile methodologies.

- **WyzBee Symphony**: WyzBee Symphony is an Internet of Things cloud platform from Redpine Signals with Big Data handling a capability that provides complete end to end solution for IoT along with WyzBee hardware platform. It can run in local or cloud based containers and it scales from small and medium to large installations with millions of devices.
  WyzBee symphony supports a wide variety of IoT protocols from device to cloud like MQTT, REST, STOMP and Web Sockets. It also offers an option to host applications in the WyzBee Symphony application runtime environment with server side SDK's provided in languages like java, python and client side SDK's provided in Android, iOS and Java Script for mobile native and hybrid application development. It has Dashboard facility

for users to utilize a unified interface for Account Management and drag and drop visualizations like graphs, charts, reports and maps widgets to view the live IoT data streaming.

Environment: Java, Spring Boot, Micro Services, JSON, MQTT and Mongo DB, AWS Servers, Tomcat 7, REST Web Services, Apache Storm , Minio file server, Twilio, Bamboo and Agile Methodologies.

- **Home Automation:** Home Automation is building automation for a home called a smart home or smart house. It involves the control and automation of lighting, heating (such as smart thermostats), air conditioning and security, as well as home appliances such as washer/dryers, ovens or refrigerators/freezers. Wi-Fi is often used for remote monitoring and control. Home devices when remotely monitored and controlled via the Internet are an important constituent of the Internet of Things. By using this application user can create a site (Vacation home), a location (Hall or Storage Room) and instance which we can associate to the location. Once we are done with the above steps then user can do operation like
  - Lock or unlock the device or set pin to the lock.
  - View the temperature of the device on a graph or set the temperature to the threshold.

  Environment: Java, JSON, MQTT and Restful Web Services, Spring, JSP, Tomcat 7.

- **Manufacturing Utility**: Manufacturing Utility is the QR code generator tool based on the board Id and stores into the database. It is for the OEM's who can generate QR code and then pastes the code on top of the boards during the manufacturing. It helps OEM's to store the details into the database and also helps OEM's for securing the devices as well. This application will receive the data from the device over Serial Port Communication. The application sends a command requesting for the board id and in the response the device sends the Board Id.

  Environment: Java FX, JSON, MQTT and Restful Web Services, Serial Port Communication, Cryptography Protocols.

- **RTLS (Real Time Locating System)**. Real-time location systems (RTLS) are used to automatically identify and track the location of objects or people in real time, usually within a building or other contained area. Wireless RTLS tags are attached to objects or worn by people ,and in most RTLS ,fixed reference points receive wireless signals from tags to determine their location ,Examples of real-time locating systems include tracking automobiles through an assembly line, locating pallets of merchandise in a warehouse, helps in locating the position of a patient in critical situation.

  Environment: C#.NET, Socket Programming, Cryptography Protocols, LINQ, XML, JSON, Tortoise SVN, .NET Framework 4.5. Agile methodologies.