**VIDYASHREE.N**

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**Mobile no:** +65-94698745

**Nationality**: Indian.

**Date of Birth**: 20thSeptember 1991.

**Passport**: L33866887, valid up to 16th July 2023.

**Marital Status**: Married

**PROFESSIONAL EXPERIENCE:**

Front End developer with 5 years of experience in developing Web applications using leading edge technologies.

Working as a Developer Engineer for Desktop Applications, which involves design and implementation of user friendly applications.

* Involved in Design and Development of Desktop and Browser based web Application using Cross Platform technologies such as Responsive Web Design, Dynamic HTML, and JavaScript etc.
* Developing and maintaining necessary Design Documents such as flow charts, sequence diagrams etc.
* Good analytical and problem-solving ability
* Motivation to take independent responsibility as well as ability to contribute and be a productive team player.

**TECHNICAL EXPOSURE:**

* Expertise with **Polymer 2.0**, **Redux, Web Components development, Modern JavaScript using modules with ES6 conventions**
* Expertise with **Angular** **JS framework, Object oriented JavaScript and HTML5, CSS3 technologies**
* Exposure on: **Grails/Groovy, C, C++, Core Java, PHP**, **SockJS, ag-grid.**
* High ability to work on **agile projects**.
* Exposure to web technologies such as **web sockets, Chrome extension, REST APIs.**
* Expertise in developing **cross-browser and cross-platform pages**.
* Exposure to **Google AdSense** to serve targeted ads on web pages.
* JavaScript web application building tools: **Grunt, Gulp**
* Network troubleshooting tools: **Wireshark, Fiddler**.
* Database Management Systems: **MySQL, Oracle, LAMP**
* Version control tools: **SVN, Git**
* Unit testing: BDD with **Cucumber**
* Bug tracking Tool: **Jira**
* Good with networking concepts
* Load testing tool: **JMeter**
* Knowledge about Operating system, Data Structures, Fundamentals of Algorithms and Cloud computing concepts

**ACADEMIC DETAILS:**

Bachelor of Engineering in Information Science (Software Engineering), with a CGPA of 7.88 from PESIT, Bangalore autonomous under VTU Belgaum, India (2009-2013).

**PROJECTS UNDERTAKEN:**

**Project 1: Treasury Unified Portal (digi markets)**. (July 2016 – to date)

Carried out at: DBS

Language used: Polymer, Web components, JavaScript with ES6 conventions, HTML5 and CSS3.

Platform: Windows 7

Team Size: 10

Description: Treasury Unified Portal is a Web application which is a unified platform to trade FX, FXO and Currency Linked Investments deals with Customer Pre-trade checks and Unified Blotter.

* Web sockets are used to achieve low latency and high performance.
* Ag-grid has been used in implementing Unified blotter, which provides plenty of functionalities.
* Reusable web components have been developed.

Status: This application is currently used by the internal users of DBS. (RMs, ARMs etc)

**Project 2: AirTV (Slingbox for over-the-air television networks) set up app**. (March 2015 – May 2016)

Carried out at: Sling Media Pvt Ltd

Language used: Grunt, Angular JS Framework, Object Oriented JavaScript, HTML5 and CSS3.

Platform: Windows 7 and Mac OSX

Team Size: 2

Description: AirTV setup app is a module, which has been integrated with SlingTV desktop app, which provides user interface to do network set up (Wi-Fi, Ethernet or WPS) and scan OTA (over-the-air) channels using AirTV box.

* Involves the JavaScript building tools such as Grunt.
* To achieve slingbox setup (network and channel scan) AJAX is used.
* HTML5 app cache is used for loading the application faster.

Status: This player is currently there in Production with improved the customer experience.

**Project 3: Slingplayer for Desktop Application.** (Jan 2014 – Dec 2014)

Carried out at: Sling Media Pvt Ltd

Language used: Grails/Groovy, **Angular JS Framework**, Object Oriented JavaScript, HTML5 and CSS3

Platform: Windows 7 and Mac OSX

Team Size: 5

Description: Slingplayer for desktop is a desktop application, which provides user interface to do network set up (Wi-Fi, Ethernet or WPS) and Audio/Video set up of their M1 Slingbox and video player to stream from their Slingbox. Network setup has been achieved by pushing home router’s SSID and password to slingbox and then slingbox connects to home router. Users are also exposed to their EPG (electronic program guide) and Virtual remote control through which user can control their home set up box from anywhere.

* Involves JavaScript and Slingplayer chrome plug-in interactions.
* To achieve slingbox setup (network and audio/video) AJAX is used.
* Offline steaming from Slingbox (LAN streaming) is achieved by HTML5 App cache technology.

Status: This player is currently there in Production with improved the customer experience.

**Project 4: Browser based Slingplayer** (Jan 2015 – March 2015)

Carried out at: Sling Media Pvt Ltd

Language used: Angular JS, Grails/Groovy, Backbone.js, Object oriented JavaScript, HTML5 and CSS3.

Platform: Windows/ MAC OSX

Major Browsers: IE, Firefox, Chrome and Safari

Team Size: 5

Description: Browser based Slingplayer provides user interface to setup their NGSB (New Generation Slingbox) and to video player to stream from slingbox in all 3 major browsers (IE, FF and Chrome). There is an option for the owner of the slingbox to share (his/her) streaming permissions with their friends via Gmail or Facebook. Users are also exposed to their EPG (electronic program guide) and Virtual remote control through which user can control their home set up box from anywhere to stream from their slingbox.

* Application has been developed on Backbone.js framework.
* Involves JavaScript and Slingplayer plug-in interactions with major browsers.
* Backend interactions are achieved with Grails/Groovy.

Status: This application in production at <http://newwatch.slingbox.com>

**Project 5: Pop out player for Google Chrome** (Sep 2015 – Jan 2016)

Carried out at: Sling Media Pvt Ltd

Language used: Grails/Groovy, Angular JS Framework, Object Oriented JavaScript, HTML5 and CSS3.

Platform: Windows/ Mac OSX

Team Size: 4

Description: Since Google Chrome 64 bit is blocking Slingplayer Plug-in and existing chrome users will not be able to stream from slingbox in chrome browser. To avoid this, pop out player will be introduced to achieve streaming in chrome browser. Pop out player is a Native Application based on Chromium Embedded Framework. Chrome’s extension native messaging achieves communication between the browser and native application.

Key features of the scripts were:

* Chrome extension and content script API’s are used for native messaging
* Basically, this is an integration of above-mentioned projects.

Status: This application in production at <http://newwatch.slingbox.com>.

**Project 6: Slingbox Configuration Utility Tool** (July 2013 – Dec 2013)

Carried out at: Sling Media Pvt Ltd

Languages used: JavaScript, HTML and CSS

Platform: Windows 7

Browser: Firefox

Team Size: 1

Description: Developed a tool to automate the configuration of many slingboxes on LAN. All boxes on LAN will be discovered and configuration is done one by one. Hughes uses this tool for box configuration. Once after the configuration, user entered data is verified against the box-configured data. Finally CSV report is generated to indicate the box configuration state.

Status: Hughes team is using this tool.

**Project 7: Development of Fuzzy Based System for Detecting Anomaly in Medical Images.**

Carried out at: PESIT, Bangalore

Languages used: C++, Open CV library

Tools used: Eclipse, Qt Creator

Platform: Linux

Team Size: 3

Description: Developed a fuzzy based system, which process input images with basic image processing techniques such as edge detection, contrast enhancement, morphology and image segmentation using fuzzy logic. The results are compared with conventional techniques and improved results achieved with fuzzy image processing.

* Images of blood cells and bacteria are used to implement edge detection.
* Mammogram and eye images are used for contrast enhancement.
* MRI of heart images are used for morphology.
* MRI of knee and brain are used for image segmentation

Status: Improved results are achieved in terms of analyzing images by using fuzzy logic. The combination of these techniques can be used for better results

**Project 8: Blood plus Android Application**

Carried out at: PESIT, Bangalore

Languages used: Core Java, XML

Platform: Windows 7

Team Size: 3

Description: This android app can be used at the time of emergencies such as accidents to get the required blood for patients. Blood donors have to register with their blood group and Phone number.

Another set of users who wants blood to have to enter their address and blood group. Blood request message will be broadcasted to all registered donors with the required blood group. All the hospitals details will be displayed in Web view.

**CURRICULAR ACTIVITES:**

* Attended two-day technical work shop on **Ethical Hacking** conducted by

Infi-Zeal Technologies, India.

* Participated in **Ayana 2012**, a 24hours Hackathon conducted at PESIT.
* Participated as a volunteer for conducting the **National Workshop on Computer Networks**.

**EXTRA CURRICULAR ACTIVITES/ ACHIEVEMENTS:**

* Received **Certificate of Excellence** award with team for contribution of the Slingplayer for Desktop, which has improved customer experience.
* Obtained Distinction awards during BE.
* Active member of CSR committee, Sling Media
* Actively taken participated in events in the college fest Aatmatrisha
* Received R&R in idea generation for future diversifying products of Sling Media.

**DECLARATION:**

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the above-mentioned particulars.

Vidyashree N

**Place:** Singapore