Arjun Ankathatti Chandrashekara

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**SUMMARY**

Full stack software developer with 4 years of industrial experience in design, development, and implementation of enterprise web applications using JAVA/J2EE framework and object-oriented programming. Excellent technical, analytical, problem-solving skills with a strong passion for technology and ability to work independently or within a team environment.

**EDUCATION**

**University of Missouri** Columbia, Missouri

Master of Science in Computer Science, **GPA 3.8/4.0** Graduation: **December 2018**

**WORK EXPERIENCE**

**Research Assistant,** *Networking and Multimedia Lab***,** University of Missouri **August 2016 – Present  
Multi-Cloud Resource Recommender**

* Design and development of web application using Struts2 and Tiles framework
* Coded JDBC calls in the DAO classes to access the Oracle database tables
* Worked with 3rd party API’s such as Amazon AWS Java SDK
* Published paper “Recommending Resources to Cloud Applications based on Custom Templates Composition” in the ACM Computing Frontiers Conference, 2017

**AWS EMR Cluster May 2017 – August 2017**

* Automated the deployment of EMR cluster to support data science class which saved operational costs by 75%
* Created Bootstrap actions to install Jupyter Notebook server and PySpark kernel on EMR cluster using Boto3
* Automated the generation of EC2 Security Groups with firewall exception and SSH Key Pair
* Used CloudWatch to monitor metrics, set up billing alerts and alarms that further reduced the costs by 20%

**Database Programmer Analyst,***MU Division of IT*, Columbia, Missouri **January 2017 – June 2017**

* Designed and developed .NET based solution using C#, ASP.Net, ASP.NET MVC
* Built utility class libraries and created product critical stored procedure in SQL Server
* Developed responsive web UI using Bootstrap, CSS which increased website usability by 30%

**System Engineer,** *Infosys***,** Bangalore, India **October 2014 – July 2016**

* Implemented business logic in service layer classes and created model classes
* Developed UI in Spring MVC framework using JSP, HTML, CSS, JavaScript, JQuery
* Proposed Pentaho Spoon ETL tool for data migration and transformation, which saved 60% of the effort and time
* Held in-person and web-based workshops to share the knowledge of Pentaho Spoon tool with the wider team

**PERSONAL PROJECTS**

**Neuroscience Gateway (CyNeuro.org) January 2018 – Present**

* Designed and developed the gateway portal using Laravel PHP, AngularJS, Bootstrap4
* Developed embeddable chatbot widget on the portal using JavaScript and JQuery
* Created RESTful API endpoints using Python and FLASK micro framework
* Managing Linux/Unix application servers and basic system administration

**Budget – Expense Manger July 2018 – September 2018**

* Developed reusable user interface components and implemented them with Redux
* Compiled JSX with babel presets, bundled the modules with webpack, and tested the apps with Jest
* Setup authentication, user accounts, routing, form validation and configured the DB storage

**Online Tic-tac-toe Game May 2018 – August 2018**

* Real-time two-way communication between client and server using Socket.IO and Node.js
* DOM manipulation to update game state using JQuery based on the events triggered by the Server
* Implemented a game room concept which enables users to join the game based on unique game ID

**TECHNICAL SKILLS**

* Programming Languages : Java, Python, PHP
* Web & scripting : HTML, JavaScript, JQuery, Bootstrap, CSS, AJAX, JSON
* Frameworks & Libraries : Struts2, Flask, React.js, Socket.IO, Boto3, node.js
* Database : SQL Server, Oracle 11g, MySQL
* Software Tools and others : Git, SVN, Gulp, Sublime, Eclipse
* AWS : EC2, EMR, ELB, Lambda, RDS, IAM, S3, CloudWatch