

Arjun Ankathatti Chandrashekara

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SUMMARY

Full stack software developer close to 4 years of industrial experience in Design, Development, and Implementation of Web and Client/Server and Enterprise Application development using **J2EE** Framework and Object-oriented programming.

EDUCATION

University of Missouri

Master of Science in Computer Science, **GPA 3.8**

Columbia, Missouri

Graduation: **December 2018**

WORK EXPERIENCE

Research Assistant, *Networking and Multimedia lab, University of Missouri*

August 2016 – Present

Custom Template – Multi-Cloud Resource Recommender

- Design, development and implementation of web application using Struts2 framework
- UI development using JSP and JQuery code which interacts with external APIs using AJAX & JSON
- Published paper “Recommending Resources to Cloud Applications based on Custom Templates Composition” in the ACM Computing Frontiers Conference, 2017

***CyNeuro.org* – Neuroscience Gateway**

- Designed and developed the gateway portal using PHP Laravel framework, AngularJS, Bootstrap4
- Embeddable Chatbot widget on the portal using JavaScript and JQuery
- Created RESTful API endpoints using Python and FLASK micro framework

Database Programmer Analyst, *MU Division of IT, Columbia, Missouri*

January 2017 – June 2017

- Designing and developing .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

- Developing UI in Spring MVC framework using JSP, HTML, CSS, JavaScript, JQuery
- Proposed and used Pentaho Spoon ETL tool for data migration and transformation project, which saved 60% of the effort and time
- Sharing knowledge of tools and techniques with the wider team, both developers and non-developers

PROJECTS

Budget – Expense Manger

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

Online multi-player tic-tac-toe game

- 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

Self-learning Evolutionary Algorithm to play Checkers

- Built min-max tree using alpha-beta pruning to identify the best possible move
- Fully connected multi-layer perceptron was used as the heuristic function
- Tournament selection to determine the successful game playing strategies

TECHNICAL SKILLS

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