Ravi Chimmalgi

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Technical Skills   [***proficient | **medium proficiency | *prior experience]

Languages: Java ***, C# ***, SQL ***, JavaScript ***, COBOL ***, HTML ***, CSS ***, VB.NET **, C++ **, Python *
Frameworks/Libraries/Tools: ExtJS, ASP.NET, jQuery, Bootstrap, Gulp
Other: Eclipse, Git/GitHub, Fireworks, Atom, Visual Studio, Xamarin.Android, NetBeans, DNN, Firebase, ArcGIS

Education

Louisiana State University, Baton Rouge, Louisiana – Engineering Science, M.S.   August 2015
Louisiana State University, Baton Rouge, Louisiana – Computer Science, B.S.   August 2011

Work Experience

Motion Industries - *Full Stack Software Developer*   Irondale, AL | *August 2016 – Present*
- Develop new software for the eCOS system using Java, JavaScript, ExtJS, Restful APIs, SQL and COBOL.
- Investigate system defects and develop & implement software solutions.
- Collaborate with QA and DBA teams for successful testing & migration of code to production environment.

Freelance – *Developer*   *October 2015 – Present*
- Build professional responsive websites and mobile apps for clients.

Louisiana State University – *Graduate Assistant*   Baton Rouge, LA | *January 2013 – August 2015*
- Periodically maintained and updated .NET web-app, database and website for the LSYOU Program.
- Analyzed data of more than 200 program participants and generated weekly & monthly performance reports.
- Submitted detailed data reports of 2076 students with 23 columns to funding agencies annually.

Technology Engineers Inc. – *Research Intern*   Baton Rouge, LA | *September 2012 – December 2012*
- Created 6 applications and 2 web-services to experiment with cross-platform mobile development using Service Oriented Architecture.
- Successfully submitted a recommendation report for reusing old .NET code across mobile platforms which can save coding hours.

Project Experience

ProfitScan –   *February 2019*
- Built an offline-first android app that integrated with a barcode scanner and a Zebra printer for W.L. Petrey Wholesale, Inc.
- Created a RESTful API to sync data with the company server.
- Users can login, scan item barcodes, generate recommended item barcodes, print barcodes and generate PDF scan report.
- *Technologies used:* Android, Xamarin, C#, Entity, Linq, Sqlite, WCF REST, PdfWriter

LetzMeet – http://ravichimmalgi.github.io/LetzMeet/index.html   *April 2016*
- Built a responsive web application using Bootstrap and Firebase, and hosted on GitHub Pages.
- Users can login and create & view meetup events.
- *Technologies used:* HTML,CSS, JavaScript, Bootstrap, Firebase

Automated Conversion of Text Instructions to Human Motion Animation – [Thesis]   *August 2015*
- Created a graph with 213 pose nodes and 355 animation links from 100 workout instructions.
- Built a web-app for user evaluation of the animation sequence generation algorithm.
- *Technologies used:* C#.NET, SQL Server, HTML, JavaScript, Unity, Stanford Parser, NLP

MazeRunner – https://github.com/RaviChimmalgi/Maze-Solver   *December 2013*
- Implemented and compared a reinforcement learning algorithm, Q-Learning, against other algorithms like A* search, DFS, random DFS etc. for an efficient autonomous maze solver
- *Technologies used:* Java

Inventory Integration – https://github.com/RaviChimmalgi/fishbowl-shopify   *December 2012*
   - Built a prototype system using VB.NET to sync Shopify's cloud database and Fishbowl database.
   - *Technologies used:* VB.NET, Shopify and Fishbowl APIs

WCF SOAP & REST – https://github.com/RaviChimmalgi/WCF-SOAP   *December 2012*
   - Created SOAP & REST web-services to perform transactions on a SQL database.
   - Created Windows, web, Android and Windows Phone 7 applications invoking the web-service.
   - *Technologies used:* VB.NET, SQL, WCF, Java, ADO.NET