MEGHANATH REDDY

meghmeg17@gmail.com - (979) 739-5339 - http://www.linkedin.com/in/meghanathreddy/ - http://resume.meghz17.com/

SUMMARY

Software Engineer and recent computer science graduate with over 2 years of full stack web development experience with Java, .NET and SQL. Experienced in scalable and reliable object oriented design and analysis.

PROFESSIONAL EXPERIENCE

Software Engineer, Schlumberger   **Aug' 2015 - Present**
- Led the initiative as a full stack web developer for reliability dashboard which displays real-time software, hardware and diagnostic metrics of Well Process Control.
- Implemented web services API to provide reliability data for failure detection which enabled efficient hardware replacement and prevented pumping job delays.
- Designed and implemented web API's to process the real-time acquisition data from well site to administer internal business needs.
- Designed, prototyped and developed an automated software deployment/update system to reduce the commercialization and field testing effort to 50 locations worldwide. Authored design, use case and testing documents for adept maintenance.
- Undertook professional development training from Industrial Logic in lean software development and advanced design patterns.

Tools: C#, REST, SOAP, MVC, WCF, RAZOR, JavaScript, jQuery, AJAX, Entity, MySQL, IIS, Visual Studio, TFS, Agile

Graduate Research/Teaching Assistant, Texas A&M University-College Station   **Aug' 2013 - May 2015**
- Developed a Fantasy Climate Change game to analyze the effect of communication in data prediction games.
- Designed, prototyped and developed a RESTful web application using Java, JavaScript, PHP and Ajax deployed on the LAMP server for a user study.
- Assisted the instructor in preparing handouts, grading assignments and evaluating projects as a Teaching Assistant.
- Provided academic support and instructed concepts of software engineering, agile methodologies and SDLC.

Tools: Java, PHP, JavaScript, jQuery, AJAX, MySQL, Hibernate, Apache, Tomcat, REST, Eclipse, Git, Linux

Software Engineering Intern, Halliburton   **May 2014 - Aug' 2014**
- Designed and developed a Pinning Sheet software application to automate manual calculation effort during the wireline job using WPF, C#, XAML and .NET Framework 4.0.
- Utilized the MVVM architecture to develop an interactive graphic user interface for easy maintenance on client-side.
- Implemented Unit tests for the individual modules and components in the view model.

Tools: C#, WPF, XML, ReSharper, MVVM, TFS, Agile

EDUCATION

Texas A&M University, College Station, United States				May 2015

Master of Science in Computer Science (Thesis)   GPA: 3.89 / 4

Analysis of Algorithms	Software Engineering	Computer Networks	Computer-Human Interaction	Computer Architecture

Jawaharlal Nehru Technological University, India			May 2013

Bachelors in Computer Engineering   GPA: 3.83 / 4

Algorithms & Data Structures	Object Oriented Programming	Operating Systems	Web Development

SKILLS

LANGUAGES	Java, C#, PHP, JavaScript (jQuery, AJAX), HTML, MySQL, C++, C
TECHNOLOGIES	REST, SOAP, MVC, WCF, .NET, LAMP
OTHER	Apache, Tomcat, Redis, Hibernate, Entity, Eclipse, Visual Studio, Design Patterns, CSS (Bootstrap)

TECHNICAL PROJECTS

Fantasy climate change prediction game
- Thesis: Evaluated the effect of communication in data prediction games by researching upon a 40 member user study.
- Developed a data prediction web game using Java, PHP, JavaScript, Ajax, MySQL (Hibernate) on the LAMP server.
- Researched the effect of data prediction games on developing data analytic skills and improving domain knowledge.

Smarty - Class Manager
- Developed a collaborative class management and progress tracking web application using Java, PHP, JavaScript, AJAX, JAX-RS, Hibernate and Tomcat.
- Deployed and maintained the web application with 120 students/active users on a small scale LAMP server.

Marine Cadaster System
- Designed, prototyped and developed a RESTful web application for marine planning and ocean governance.
- Implemented an interactive UI using Google Maps API and parsed the GeoJson data for vessel management.

Online-Banking System
- Developed a prototype of Online-Banking system implementing factory, strategy and observer design patterns in Java.
- Adapted Scrum methodology and agile software development model for the project.

Web-Based Recommendation and Study System
- Developed a web-based recommendation system using content based and collaborative filtering algorithm.
- Implemented a study room environment for collaborative study using PHP, JavaScript and Ajax.