SUDHA GUMMADI

Software Engineer

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Dedicated software engineer with hands-on experience in different layers of the stack. Committed to technological advancement and excellence in each task completed.

PROFESSIONAL SUMMARY

- **5+ Years** of experience as full stack agile web application developer
- Sound understanding of Object Oriented Programming and Design
- Superior knowledge of web services and Java/J2EE
- Proven experience with all stages of development, building, testing, deploying and supporting a software.
- Self-motivated who can work independently, able to learn quickly, meet deadlines and demonstrate problem solving skills
- Experience in fast-paced, cross functional software environment

SKILLS

PROGRAMMING LANGUAGES

Java 8

SWIFT, python

SQL-PL/SQL

C, C++, PHP

WEB TECHNOLOGIES

React, AngularJS 2

Bootstrap

TypeScript, JQuery, JavaScript

JSP, JSTL

HTML, CSS

DATABASES

SQL server

Oracle

MySQL

MongoDB

FRAMEWORKS

Spring (Boot, MVC, JPA, Batch, Cloud)

AngularJS 2

Hibernate

Struts2

JUnit

CI/CD

Jenkins

Maven, Gradle

Git, SVN, CVS

Ansible

DESIGN TOOLS

Rational Rose, Visual Paradigm, ArgoUML, StarUML, Visio, OmniGraffle

IDE

IntelliJ, Eclipse, NetBeans, Visual Studio-2008

OTHER TOOLS AND TECHNOLOGIES

SonarQube, Fortify

WORK EXPERIENCE

2013 - PRESENT

Software Engineer
TouchNet Information Systems

Environment: Java, JDK 1.8, Spring MVC, Hibernate, Sql server, JSP, JavaScript, EL, JQuery, HTML, XML, JAXB, CSS, IntelliJ, Eclipse, Apache Tomcat, Jira, Jenkins, SVN-tortoise and subclipse, crucible, SonarQube, SonarLint, Maven, Salesforce.

Role: Working with an Agile Scrum methodology to ensure delivery of high quality work with every 3-week sprint. Responsible in developing, implementing and maintaining the Bill+Payment web application. Implemented server-side using Java 7/8, on IntelliJ. Developed/maintained the UI using JSP, HTML, CSS, JavaScript, JSTL. Enforced secure coding by employing Fortify SCA and improved code quality by using SonarQube. Designed and developed SQL schemas and developed persistence layer modules using Hibernate-JPA, and XML/JAXB. Used SVN to maintain the source code versions. Used JUnit framework to write unit tests. Actively involved in reviewing code to make sure there are no security flaws or design flaws in the code. Worked on SalesForce cases and monitored the error logs to find the cause and fix the problem.

2011 - 2013

Research Assistant
George Mason University

Environment: Java, JDK 1.5+, MySql, Sql server, JavaScript, JDBC, PHP, HTML, CSS, Eclipse, Visual Studio, Oracle 10g, MySQL, Visio, ArgoUML, OmniGraffle, MySQL Workbench.

Role: Worked extensively on a study about learning agents and cognitive assistance. Also, involved in design-develop and implementation of a testing tool INOVA project using Java 1. 5. Worked on analysis, design, coding and testing a personal website and to implement' SQLi defense mechanisms' using Java, JSPs on Struts framework with MySQL server. Designed schema and created relational database for a library management system using Oracle 10g. Involved in writing unit tests using JUnit framework for the above projects.

2008 - 2010

Graduate Research Assistant
East Carolina University

Environment: JDK 4.0, MySQL, PHP, JUnit, Rational Rose, PSP, Eclipse, C#, Visual Studio.

Role: Worked on a research project-MIST(Modeling Input Space Tool) and developed automated tools to measure the reliability index of the given system. Worked on development and testing of MIST tool using Java 1. 4 and Junits. Worked on design and implementation of Reliability Index Calculator using Java 1. 4 and tested it using Junits. Published a paper in IASTED generated journal about MIST tool(Modeling Input Space for Testing Tool). Worked on development of an inventory control system and car-pooling website using C#and PHP.

EDUCATION

2011 - 2013

MS
George Mason University
Computer Science and Information Systems

2008 - 2010

MS
East Carolina University
Software Engineering

Publications: MIST: Modeling input space for testing tool

2004 - 2008

B.Technology
JNTU
Computer Science and Information Technology