SRIKAR RAO GANDLA

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WORK EXPERIENCE

Backend Engineer   **Reputation.com, AZ/CA**   **09/2017 – Present**
- Achieved 24/7 alerting & monitoring of outages using a generic watch dog service.
- Rightly anomaly detected the failures is services using supervised learning models.
- Built standardized logging frameworks reducing data persistence expenses by 156K$/year.
- Computed the infra score using health check scores, instrumentation metrics, service metadata.

Software Engineer   **Imbuesys, IL**   **10/2014 – 08/2017**

Matrix Medical Network
- Implementing an enterprise application on micro services using Amazon AWS, MEAN & Java.
- Increased the efficiency of REST API by 75% applying distributed caching & eventual execution.
- Prevented the client-side transaction failures by injecting a validation API for the scheduled jobs.
- Delivered automated web tools for quality analysis and control reducing the bug tracking time.

Wells Fargo
- Implemented a financial payment processing middleware handling over 10 million transactions.
- Developed RESTful APIs using event driven task management & JAX-RS frameworks (RestEasy).
- Provided support & resolved the critical real-time issues in both application, persistence tiers.

Technologies: Java EE, Spring, JDBC, JMS, ActiveMQ, Memcached, Oracle, HTML5, Jenkins, PL/SQL.

Texas HHSC/Deloitte
- Enabled data security for a web application over SOAP/HTTP(S) protocol with WS-Security, TLS/SSL.
- Created an MVC module using Spring MVC and refactored legacy DB2 system with Hibernate ORM.
- Achieved unit testing benchmarks over 90% code coverage applying test driven development.
- *Technologies:* Java EE, Linux Scripting, JQuery, Apache Tomcat, Maven, JUnit/Mockito, DB2.

EDUCATION

Northern Illinois University, IL   **Master's (M.S), Computer Science**   **07/2014**
Coursework: Teachings of Computer Programming & Algorithms; System Analysis & Design; Distributed Databases; Introduction to Machine Learning.

JNTU College of Engineering, India   **Bachelor's (B. Tech), Information Technology**   **04/2012**
Coursework: Advanced Algorithms and Data Structures; Programming Languages; Operating Systems

RESEARCH/PERSONAL PROJECTS

- *SVM Dependent Question Classifier:* Created a question classifier using a Support Vector Machine that processes text files and classifies to its appropriate group.
- *Independent Library System:* Developed domain specific search engine functionality for Founders Memorial Library's article database.
- *Massive File Set Processor:* Built a multithreaded utility API for file data operations such as merging, splitting, cleaning on large set of files.

RESEARCH INTERESTS

- *Fault Tolerant & Resilient Systems*
- *Platform Reliability*