

SRIKAR RAO GANDLA

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WORK EXPERIENCE

Backend Engineer **Reputation.com, AZ/CA** **09/2017 – Present**

- Achieved 24/7 predicting, monitoring & alerting of outages using a generic [watch dog](#) service.
- Rightly predicted the network failures in the platform 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.
- Researched & integrated Eureka, Consul, Machine Learning models into the platform.

Technologies: Amazon AWS, Java, NodeJS, Groovy, Elasticsearch, MongoDB, Redis, Consul, Apache Spark, RabbitMQ.

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

Matrix Medical Network → Medical Assessments Serving API

- Increased the efficiency of REST API by 85% 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.

Technologies: Java, Spring Boot, PostgreSQL, Redis, Git, JavaScript, Jenkins.

Wells Fargo → Check Processing Application

- Implemented a financial payment processing middleware handling over 10 million transactions.
- Applied contingency process of persisting batch files as an alternative to relational database.
- Provided support & resolved the critical real-time issues in both application, persistence tiers.

Technologies: Java, Linux Scripting, IBM MQ, Couchbase, Oracle.

Texas HHSC/Deloitte

- Enabled data security for a web application over SOAP/HTTP(S) protocol with WS-Security.
- 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, AngularJS, Apache Tomcat, Hibernate, JUnit/Mockito, DB2.

EDUCATION

Northern Illinois University, IL **Master's (M.S), Computer Science** **08/2014**

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

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- *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

