

# SRIKAR RAO GANDLA

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## WORK EXPERIENCE

### **Reputation.com**

Backend Engineer

Tempe, AZ

Sep' 2017 – Present

- Automated a large-scale tickets processing SaaS application <sup>[like JIRA]</sup> to handle respective user actions.
  - Steered over a million http events for thousands of tenants by producing a generic third-party fanout library.
- Technologies: Spring Boot, MongoDB, RabbitMQ, Redis, Elasticsearch, Apache Thrift, Prometheus.

#### Reliability & Platform

- Accomplished 24/7 monitoring & alerting of outages building a glorified [watch dog](#) service.
- Applied Machine Learning models to perform [anomaly detection](#) on predicting the product outages<sup>[\*]</sup>.
- Reduced the data persistence expenses by 156K\$/year building a standardized logging framework.
- Ensured data and jobs execution consistency by integrating [service discovery & leader election](#) API into the platform.

Technologies: Amazon AWS, Consul, Groovy, ELK Stack, Apache Spark.

### **Imbuesys Inc.**

Software Engineer

Rolling Meadows, IL

Oct' 2014 – Aug' 2017

#### Matrix Medical Network

- Increased the performance of a REST service by 85% designing a distributed cache persistence layer.
  - Achieved the 98% uptime using Cross Data Center Replication (XDCR) & disaster recovery mechanisms.
- Technologies: NodeJS, PostgreSQL, Redis, Git, JavaScript, Jenkins.

#### Wells Fargo & Company

- Implemented a financial payment processing middleware handling over 10 million transactions.
  - Applied a contingency process of persisting batch files as an alternative to relational database.
- Technologies: Java, IBM MQ, Couchbase, Oracle, Bash Scripting.

#### Deloitte/Texas HHSC

- Built automated web tools for quality analysis reducing the manual testing & bug tracking time.
  - Migrated legacy services to micro services by building libraries & isolating the database schema.
- Technologies: J2EE, Apache Tomcat, Hibernate, JUnit/Mockito, DB2, AngularJS.

## EDUCATION

### **Northern Illinois University**

M.S. in Computer Science

DeKalb, IL

Aug' 2014

Coursework: Teachings of Computer Programming & Algorithms, System Analysis & Design, Distributed Databases; Introduction to Machine Learning, Software Engineering.

### **JNTU College of Engineering**

B. Tech in Information Technology

Karimnagar, India

April 2012

Coursework: Advanced Algorithms and Data Structures, Programming Languages, Operating Systems.

## PROJECTS

- Independent Library System:* Coded a domain specific search engine for Founders Memorial Library.
- SVM Dependent Question Classifier:* Created a question classifier using a Support Vector Machine that processes text files and classifies to its appropriate groups.

## TECHNICAL SKILLS

[p]: Proficient, [i]: Intermediate

- Languages → Java<sup>[p]</sup>, JavaScript, Python<sup>[i]</sup>, Linux scripting<sup>[i]</sup>
- Databases → Sql, NoSql
- Programming Paradigms/Practices → Functional, Object Oriented, Imperative, Declarative, CI/CD, Test Driven Development
- Software Development Methodologies → Agile Scrum, Kanban
- Architectures → Service Oriented Architecture, Micro Services