# SRIKAR RAO GANDLA

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## WORK EXPERIENCE

### Reputation.com                                                    Scottsdale, AZ/Redwood City, CA
*Software Engineer*                                                              *Sep' 2017 – Present*

- Designed & developed a stateless rules engine to dynamically evaluate over *5 million* events each day.
- Implemented a seamless mail to ticket generating API filtering, processing & auditing *250,000* messages/day.
- Built a large-scale managed services module **[like JIRA]** that is automated in Reputation's SaaS application.
- Steered on-demand HTTP events for tenants by producing a generic third-party fanout library.
*Technologies: GCP (Google Cloud Platform), Spring Boot, MongoDB, RabbitMQ, Redis, Apache Thrift, Prometheus.*

<u>Infrastructure & Platform</u>

- Accomplished *24/7* monitoring & alerting of outages building a glorified [watchdog](#) service.
- Applied Machine Learning models to perform [anomaly detection](#) on predicting the product outages[*].
- Reduced the data persistence expenses by *156K$/year* building a standardized logging framework.
- Ensured consensus to share the jobs among instances by integrating [service discovery & leader election](#) API.
*Technologies: Amazon AWS, Consul, Groovy, ELK Stack, Apache Spark.*

### Imbuesys Inc.                                                                    Rolling Meadows, IL
*Software Engineer*                                                              *Oct' 2014 – Aug' 2017*

<u>Matrix Medical Network</u>

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

<u>Wells Fargo & Company</u>

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

<u>Deloitte/Texas HHSC</u>

- Built web tools for quality analysis of enterprise software reducing manual testing & bug tracking time.
- Migrated legacy monolithic services to SOA by building libraries & isolating the database schema as needed.
*Technologies: J2EE, Apache Tomcat, Hibernate, JUnit/Mockito, DB2, AngularJS.*

## EDUCATION

### Northern Illinois University                                                                 DeKalb, IL
*M.S. in Computer Science*                                                                       *Aug' 2014*
<u>Coursework:</u> Teachings of Computer Programming & Algorithms, System Analysis & Designs, Introduction to Machine Learning, Software Engineering.

### JNTU College of Engineering                                                         Karimnagar, India
*B. Tech in Information Technology*                                                              *April 2012*
<u>Coursework:</u> Advanced Algorithms & Data Structures, Programming Languages, Operating Systems.

## PROJECTS

- *Independent Library System:* Coded a domain-specific search engine for Founders Memorial Library.
- *Massive File Set Processor:* Built a multithreaded API for data merging, splitting, cleaning on a large set of files.

## TECHNICAL SKILLS                                                          *[p]: Proficient, [i]: Intermediate*

- *Languages* → Java[p], JavaScript, Python[i], Linux scripting[i]
- *Databases* → SQL (RDBMS), NoSQL.
- *Programming Paradigms/Practices* → Functional, Object-Oriented, Imperative, Declarative, CI/CD, Test Driven Development, Microservice architecture.
- *Software Development Methodologies (SDLC)* → Agile Scrum, Kanban, Code Reviews, System Design, Cross-Functional Teamwork, Application Monitoring.