

SRIKAR RAO GANDLA

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WORK EXPERIENCE

Reputation.com

Software Engineer

Scottsdale, AZ/Redwood City, CA

Sep' 2017 – Present

- Developed a stateless rules engine on IFTTT principle to dynamically evaluate over *5 million* events each day.
- Implemented a seamless mail to ticket generating API filtering, processing & auditing *250,000* messages/day.
- Provisioned customers a *100%* user-driven automated actions module *[like JIRA]* into the SaaS application.

Technologies: GCP (Google Cloud Platform), Spring Boot, MongoDB, RabbitMQ, Redis, Apache Thrift, Prometheus.

Infrastructure & Platform

- Reduced the data persistence expenses by *156K\$/year* by routing logs to a standardized logging platform.
- Accomplished *24/7* monitoring & alerting of data losses & outages by creating a glorified *watchdog* service.
- Facilitated a data pipeline to feed *anomaly detection* ML models to predict the product outages^[*].
- 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.

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 *98%* uptime using Cross Data Center Replication (XDCR) & disaster recovery mechanisms.

Technologies: Node.js, PostgreSQL, Redis, Git, JavaScript, Jenkins.

Wells Fargo & Company

- 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.

Deloitte/Texas HHSC

- Increased the efficiency of quality analysis by *70%* building web tools for enterprise software testing.
- Migrated legacy monolithic services to SOA by refactoring codebase & 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 & Designs, Introduction to Machine Learning, Software Engineering.

JNTU College of Engineering

B. Tech in Information Technology

Karimnagar, India

April 2012

Coursework: 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.