

SRIKAR RAO GANDLA

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WORK EXPERIENCE

Reputation.com

Backend Engineer

Tempe, AZ

Sep' 2017 – Present

- Designed & developed a stateless rules engine to dynamically evaluate over *5 million* events each day.
 - Implemented a seamless mail to 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.

Infrastructure & Platform

- 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.

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

- Built automated web tools for quality analysis reducing manual testing & bug tracking time.
 - Migrated legacy 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

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, 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