

SRIKAR RAO GANDLA

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WORK EXPERIENCE

Software Engineer Matrix Medical Network, AZ 02/2017 – Present

- Implementing an enterprise application on micro services using Amazon AWS, MEAN & Java.
- Increased the efficiency of REST API by 75% 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:* Amazon AWS, MEAN (MongoDB, Express.js, Node.js), MySQL, Redis.

Software Engineer Wells Fargo, AZ 07/2015 – 01/2017

- Implemented a financial payment processing middleware handling over 10 million transactions.
- Developed RESTful APIs using event driven task management & JAX-RS frameworks (RestEasy).
- Provided support & resolved the critical real-time issues in both application, persistence tiers.
- *Technologies:* Java EE, Spring, JDBC, JMS, ActiveMQ, Memcached, Oracle, HTML5, Jenkins, PL/SQL.

Software Developer Deloitte, TX 10/2014 – 06/2015

- Enabled data security for a web application over SOAP/HTTP(S) protocol with WS-Security, TLS/SSL.
- Created a 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, Linux Scripting, JQuery, Apache Tomcat, Maven, JUnit/Mockito, DB2.

EDUCATION

Northern Illinois University, IL Master's (M.S), Computer Science 07/2014

Coursework: Teachings of Computer Programming & Algorithms; System Analysis & Design; Distributed Databases. (CGPA: 3.44)

JNTU College of Engineering, India Bachelor's (B. Tech), Information Technology 04/2012

Coursework: Advanced Algorithms and Data Structures; Programming Languages; Operating Systems. (CGPA: 3.23)

RESEARCH/ACADEMIC 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.

OTHER TECHNOLOGY IMPLEMENTATIONS

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| • <i>Languages</i> | Java, Node.js/JavaScript, Linux Scripting, Ruby (Intermediate). |
| • <i>Programming Paradigms</i> | Functional, Object Oriented, Event driven/asynchronous. |
| • <i>Computing Models</i> | Distributed Systems (Micro Services, Service Oriented Architecture). |
| • <i>SDLC Methodologies</i> | Agile Scrum, Extreme & Peer Programming, Traditional development |
| • <i>Databases</i> | SQL/NoSQL, Data Modeling, Optimization, Normalization, Sharding, Partitioning. |
| • <i>Other Frameworks</i> | J2EE Libraries, node packages, Promises, Async/Await, XML, JSON. |
| • <i>Other Tools</i> | Git, Trello, monitoring/CI/CD tools, Web/Application Servers, ETL, Load balancers, J2EE Libraries, node packages, Eclipse, Atom IDE, SoapUI. |