

# CHARAN MAREEDU

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## SUMMARY

Software Engineer with over 4 years of full stack web development experience with Java, JavaScript, Python, SQL. Experienced in building large scale applications and web services.

## PROFESSIONAL EXPERIENCE

**Software Engineer** **REI Systems** **Jan '17 – Present**  
**GSA IAE**

- Designed and developed token-based user authentication and authorization on Third Party (MicroStrategy) application.
- Successfully led the full stack development of reporting and user-based preferences applications using Angular 7, Java, JavaScript.
- Performed product analysis and developed application of increasing complex nature which require extensive research.

**Environment:** Angular 7, Java Spring boot, GitHub, Jenkins, Splunk, Artifactory, MicroStrategy, Jira, Confluence, Docker, VS Code.

### Fema Modernization

- Built reusable angular components and forms to do CRUD operations using spring-based RESTful web service.
- Designed and developed ticketing system to handle infrastructure requests and hosted the application on AWS.
- Created BDD scripts for search module using selenium and scheduled the test execution suite to generate reports on daily basis.

**Environment:** Java Spring boot, Angular4, IntelliJ, Selenium, Gherkin, Cucumber, AWS.

**Software Engineer** **Dexter Systems Inc** **Jun '16 – Dec '16**

- Developed, Configured and Managed role management system and also used sf approval process for grants application lifecycle.
- Refactored APEX code to optimize trigger-based transactions for performance and speed within Salesforce governor limits.

**Environment:** Salesforce, Sublime, Workbench, Data loader, Force.com, Apex explorer, Lightning framework.

**Java Developer** **TCS** **Jan '14 - Nov '14**

- Re-factored existing modules to incorporate newly developed framework-based dependency injection to come up with rugged unit testing framework.
- Improved response time by 5% through hibernate by lazy loading caching and Inheritance mapping.
- Used spring as a lightweight container for dependency injection and Aspect Oriented Programming for logging.

**Environment:** Java (JSP, Servlets, Spring), JavaScript, SQL, HTML, XML, Oracle SQL developer, Eclipse, Tomcat, Oracle 11g.

**Java Developer** **The Irya Technologies Pvt Ltd** **Jun '13 - Dec '13**

- Enhancing the existing features for easy navigation and for better performance in usage of the application.
- Improved code reuse and performance by 3% making effective use of singleton.

**Environment:** Java, JavaScript, AJAX, HTML, CSS, JSP, Servlets, Tomcat server, Eclipse, XML, Oracle SQL developer.

## EDUCATION

**Dakota State University, Madison, SD** **May '16**

**Master's in information Systems** **GPA: 3.54 / 4**

**Coursework:** Algorithms & Data Structures, Object Oriented Programming, Web Development, Advanced Databases

## SKILLS

**LANGUAGES** Java, Python, SQL (MySQL, Postgres), JavaScript (Angular JS, React, jQuery, AJAX), C#  
**TECHNOLOGIES** REST, J2EE, SOAP, WCF, Linux (Ubuntu), Knockout, Flask,  
**OTHER** AWS, Redis, Design Patterns, Apache, Flask, SQL Alchemy, Hibernate, Entity

## TECHNICAL PROJECTS

**Multiuser Blog** **Jan '19**

- Developed a complete blog application where user can create account, login and post articles using Python, Jinja framework.
- Built a secured authentication system using hashing algorithms and deployed the application on google cloud.

**Item Catalog** **Oct '18**

- Developed a RESTful web application using the Python Framework Flask along with third-party OAuth authentication.
- Implemented authentication mechanism and appropriately mapped HTTP methods to CRUD operations.

**Tournament Results** **Sept '16**

- Developed a database schema to store data of matches between players to make a dynamic data driven web application.
- Deployed the application on remote server using Vagrant VM and used PostgreSQL as a database.

**Form Email Service** **Oct '19**

- Designed and developed a generic API using spring boot which takes in form data and send email to targeted user.
- Created a CI/CD pipeline with Heroku app which updates the prod code with consecutive GitHub deployments.