Srikar Krishna Gadde

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EDUCATION

Master of Science (M.S.), Computer Software Engineering (CGPA: 4/4) **Expected Dec 2022**
Arizona State University, Tempe, AZ

Bachelor of Technology, Computer Science & Engineering **Jun 2018**
National Institute of Technology, Silchar, India

PROFESSIONAL EXPERIENCE

Web Developer, Business & Finance IT | ASU, Tempe, Arizona **Jun 2021 – Present**
Technology Stack: C#, ASP.NET, Angular, Bootstrap, MSSQL, Git, IIS Express

- Assist in process enhancements, ensure seamless working experience & design REST APIs for university's critical data.
- Continuous user support & multi-application maintenance with faster bug analysis to maintain the application stability.

Software Engineer, Capgemini Technology Services India Ltd | Kolkata, India **Aug 2018 – Dec 2020**
Technology Stack: Java, Selenium, TestNG, Pega, REST-Assured, Junit, Jira, Jenkins

- Worked in a QA team for a fast-paced Agile project to automate a business process and deliver a corporate onboarding application to a banking customer under 6 months bringing down the process completion time from weeks to hours.
- Developed test scripts using TestNG, automating 16 E2E scenarios to reduce test effort and turnaround time by 60%.
- Validated 50+ API's & E2E integration touch points connecting 10+ backend systems, wrote automation scripts.
- Took up ultimate ownership for 100% test coverage, design test data, track bug status, perform integration, ad-hoc & regression testing and use continuous integration environment on Jenkins to run automated jobs before every release.
- Lead a team of two junior resources to accomplish the corporate review module under 2 months with zero defect leak.

Software Engineering Intern, Schneider Electric | Hyderabad, India **Summer 2017**
Technology Stack: C#, Entity Framework, MSSQL, Angular 2, Kendo JS, jQuery, Bootstrap, Git

- Designed modular RESTful web APIs to maintain dynamic incoming data managing a large-scale chemical inventory.
- Worked on a six-page web module & optimized the load size by 40% making use of lazy loading and pre-loading.
- Built responsive interface with chart, graph visualizations, offer frequent client demos & adapt swiftly on feedbacks.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, C#, Python, C/C++, Prolog
Front-End/Frameworks: Spring Boot, HTML, CSS, AngularJS, React.JS, Bootstrap, jQuery, ASP .NET, Selenium, TestNG
Databases & Services: AWS S3, EC2, Lambda & SQS, Oracle, PostgreSQL, MySQL
Tools & Topics: Data Structures & Algorithms, Distributed Systems, Agile Methodologies, Pega, Postman, Git, Jira

RELEVANT PROJECTS

University Admission System (Java, Spring/Spring Boot, JPA/Hibernate, React JS) **Summer 2021**

- Developed a system with up-to-date information for students to search, apply & track the status of the application.
- Implemented with three user categories (admin, admission committee & student), users can perform CRUD operations based on the access groups assigned on their role using consumed REST APIs built on Java Spring Boot.
- Used Spring security for authentication, Data JPA for data access, configured a mail service and implemented an excel parsing with Apache POI. Used React JS and Material UI for a responsive User interface.

Large Scale Geospatial Data Analysis *(Python, Spark, Scala, PostgreSQL)* **Spring 2021**

- Performed hot zone and hot cell analysis on large-scale spatial data using Spark to identify & rank the top 30 hot zones.
- Analyzed New York's taxi data to recognize high pick-up probability spots to rise the pickup rate abiding to the analysis.
- Resembled data partitioning techniques such as parallel sort & parallel join using PostgreSQL.

Liveness Detection in Biometric Systems (MATLAB) **Spring 2018**

- Implemented a feature descriptor for fingerprint images and SVM classifiers to devise a dissimilarity measure between descriptors of live and fake fingerprint images to control illegal authorization and authentication of devices.
- Tested with 1200 live and fake fingerprint dataset from LivDet competition, observing an accuracy of 83%.

Equilibrium Programming Language *(ANTLR, Java)* **Spring 2021**

- Defined a new grammar, implemented a lexical analyzer & parser on ANTLR and built an interpreter using Java to design a novel & easy-to-use programming language & optimized the runtime by 30% with further code enhancements

Graphical IDE – A Reverse Implementation of Graphviz tool *(Java Swing)* **Spring 2021**

- Designed and developed an interactive system to drag & drop visual blocks and add connections to further generate a structured code based on the connected graphs on the UI. Built on Java Swing using observer, delegate & factory design patterns while the project focuses on agile process, in a sprint-based approach with changing requirements.