

# SRAVANTHI BAGANI

408-314-7009 | sravanthibagani19@gmail.com

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## SUMMARY:

- Versatile Engineer, with two years of professional & two years of academic experience. Dedicated expertise in Application development, Testing and System Analysis.
- Good understanding in all stages of the Software Development Life Cycle (SDLC) of web applications, planning, analysis, design, implementation, testing, and maintenance
- Experience in writing unit, functional and integration testing with various modules after development
- Ability to effectively manage multiple tasks at the same time, meet deadlines, and work independently, while also having experience of collaborating with teams located across the country to ensure optimal project efficiency.

## TECHNICAL SKILLS:

- Programming Languages: C, C#, Java, JavaScript, Python
- Database : MySQL, MongoDB
- Frameworks : ASP .NET (MVC CORE), Angular
- Other Tools : Git, JIRA, Jenkins, Postman, ServiceNow Ticketing Tool, Splunk

## EXPERIENCE:

### Systems Analyst at Visa Inc.

*Jan 2022 – Aug 2022*

- Developed and executed SQL queries to retrieve data from large databases based on the requirement
- Patch, Validate & Apply Security/Config Changes to Application's Production Environment
- Perform change reviews, execute change tasks, and coordinate change activity as needed
- Track all issues following standard ITIL Incident and Problem management processes using JIRA
- Write Splunk Queries, Expertise in searching, monitoring, analyzing and visualizing Splunk logs
- Used Jenkins platform for automation tasks in deploying new changes to the applications
- Provided application support by diagnosing and resolving technical issues in an agile way
- Provide on-call support and addressing issues to meet SLAs
- Defining and updating all team documentation including the daily shift handover

### Application Developer at Marcelle (Remote)

*July 2020 - Jan 2021*

- Developed RESTful APIs for investor-client Business Application
- Reduced application code by 20% and improved performance by implementing ReactJS components and managing state with Redux.
- Utilized Agile methods to gather & write user stories, ensuring alignment with product vision & strategy.
- Tracked user stories using JIRA to monitor progress and ensure timely delivery of high-quality software products that meet the needs of end-users.
- Developed Unit test cases and Validation testing using JEST framework
- Performed Integration testing of the application in the non-prod environment
- Validated by performing front-end and back-end testing for the application

### Dashboard Monitoring Engineer at United Way Bengaluru – NGO (SJSU)

*Jun 2019 - May 2020*

- Developed a comprehensive data visualization and monitoring dashboard using Tableau for an NGO team based in India that provides early education for 35000 underprivileged children.
- Converting existing excel sheet data sets to Tableau dashboards, I enabled the team to easily view and understand KPIs and other important metrics, ultimately improving their decision-making processes.
- Install, upgrade Tableau Server, and monitor performance for optimization

## **PROJECTS:**

### **Social Network Platform Prototype**

- Developed a social networking application using the MERN stack, enabling users to interact with their friends and followers through posts and comments. The application also featured a robust search module.
- Utilized PassportJS and JWT-tokens to implement APIs for user authentication, while also ensuring password security using salted bcrypt hashing techniques
- Deployed on AWS EC2 cluster with ELB, scaled to handle 5000 concurrent users with minimal delay
- Developed and executed UI and backend test cases to ensure a bug-free user experience.

### **Job Search Application: A Glassdoor prototype**

- Developed a full stack application to post new jobs as employer and search, apply for jobs as candidate
- Used Java & Spring Boot as backend, ReactJS as front end & Mongo dB as DB for the application
- I significantly contributed to the requirements gathering process, refining them, & developing user stories
- Performed UI testing and API testing using Postman

### **Predicting Company's performance based on Financial History:**

- A Python machine learning algorithm was utilized to develop a predictive model that analyzed a company's financial history, which included factors such as assets, returns, and coverage for a period of 3 months.
- The data was collected from Kaggle and subjected to thorough data preprocessing to eliminate any null values within the dataset
- A training dataset comprising 70% of the available data was formulated, with the remaining 30% allocated to testing. The data was then utilized in both ARIMA and LSTM models for predictive analysis. The employment of ARIMA resulted in a 20% reduction in the RMSE compared to LSTM.

## **EDUCATION:**

- Master of Science in Software Engineering
- Bachelor of Technology in Computer Science

*San Jose State University, CA  
JNTUH, India*