

# Manaswini Burugupalli

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Software engineer with 2+ years of full-stack experience proficient in building large scalable web services in Java SpringBoot, React, deployed effectively DevOps Kubernetes, software lifecycle development(SDLC) from design to delivery

## WORK EXPERIENCE

**Constant Contact Inc, Waltham, MA,USA – Software Engineer**

**Jul 2022-Present**

- Built **visual charts** for real time data using Highcharts library in **React** increasing UI accessibility by 50%
- Redesigned customer dashboard building React reusable components improving in **scale, maintainability**, leading to a **35%** increase in customer acquisition by also integrating **CSS** and react libraries
- Bumped and fixed issues with **Maven** dependencies to improve performance of existing Java repositories
- Configured **XML** in Java Spring Boot to serve new endpoints improving scalability and reliability by 30%
- Leveraged **React Reducers, Redux** to build dropdowns for comparison dates maintaining correct states throughout the frontend web pages decreasing use of props to pass values and code duplication by 40%.
- Utilized **Fetch API in React** to architecture the REST API calls from the backend to show accurate reporting data on the web pages
- Spearheaded data algorithms optimizations, achieving a 60% reduction in frontend load times in browser and an 80% decrease with **lazy loading implementation**
- Played a pivotal role in the **architecture design** for user entitlements and segmenting users groups enabling tailored content access and significantly improving 500+ customers experience.
- Authored unit tests for frontend code in **JUnit, Jest, Mocha** to decrease downtime by 50%
- Coordinated with **cross-functional teams**, conducting thorough reporting **API analysis** for email, SMS, and landing pages increasing efficiency by 50%.
- Migrated on-prem microservice to **Kubernetes**, slashing downtime by 70%, improving **system reliability**.
- Collaborated with a team of senior, junior engineers to participate in code reviews to ensure code quality skills, distribute knowledge, deliver project requirements using **Git version control**
- Worked closely with product managers using scrum methodologies to understand the **project requirements**, design effective solutions for positive execution of product lifecycle to deploy successfully using **CI/CD, Jenkins, Kubernetes, Helm** tools to achieve 100% uptime with 50%.

**Stark & Wayne LLC, Buffalo, NY – Software Engineering Intern**

**Jan 2022- May 2022**

- Modularised open source platform for **30+ users** enabling various key features such as **login**, comparison of deployments leading to increase in user engagement and usability with **React, Golang** and **SQL**.

**University at Buffalo, Buffalo, NY – Undergraduate Teaching Assistant Cybersecurity**

**Aug 2021- Dec 2021**

- Mentored 200+ students by reinforcing **cybersecurity** concepts shellshock, buffer overflow, TCP attack lab
- Implemented cybersecurity labs in **C** using **Linux, Unix, Emacs, Vim** and **shell scripting** commands to proofread the labs improving labs docs by 40%

**University at Buffalo, Buffalo, NY – Undergraduate Teaching Assistant Data Structures**

**Aug 2021- Dec 2021**

- Reinforced data structures concepts to 200+ students such as Linked List, HashMap, Arrays, Trees etc

## TECHNICAL SKILLS

**Languages:** Python, Scala, Springboot, Java, NodeJS , Golang | **Frameworks:** Git, Rancher, Docker, AWS |

**Databases:** MySQL | **Platforms:** Splunk, New Relic, Argo, OpenShift

## EDUCATION

**University at Buffalo, State University of New York**

**Graduated: May 2022**

Bachelor of Science in Computer Science (**Dean's list**)

## PROJECTS

**MeetNGreet, Conferencing Application**, (Node.js, REST API, React, JavaScript, MySQL, Docker, CSS, HTML)

- Pioneered a gamified personalized conferencing application which simulates **real world conferencing** experience using keyboard toggles and voice control systems