Sai Nikhil Yandamuri

|nikhi.yandamuri@gmail.com|+1-408-601-8480 |linkedin.com/in/sai-nikhil-y/|github.com/SaiNikhilYandamuri|
|33 South Third Street Apt 207, San Jose, California - 95113|

EDUCATION

San Jose State University (San Jose, CA) - M.S., in Computer Software Engineering   Jan 2021 - Dec 2022(Expected)
Coursework:Enterprise Distributes Systems, Data Mining, Enterprise Software Overview

Manipal Institute Of Technology (Manipal, India) - Bachelor of Computer Science   August 2014 - May 2018
Coursework:Operating Systems,Object Oriented Programming, Data Structure and Algorithms

PROFESSIONAL EXPERIENCE

Cerner Healthcare|Software Engineer|Banglore,India   July 2018 - Dec 2020

- Designed and developed a **Web Application which shows Agile Metrics** boosting project management requirements. The dashboard consisted of Agile metrics such as **cycle time, development time, testing time, throughput and turn around time** for client issues. **Technologies - NodeJS, ReactJS, GraphQL**.
- Developed and maintained **software infrastructure** of Business Intelligence solutions along with **automation** to reduce human effort and error. **Configured and Automated the installation of Third Party Software Using Chef**. **Technologies - Chef, ChefSpec, Kitchen**.
- Analyzed and resolved **OWASP Dependency Vulnerabilities** and exploitable security vulnerabilities in source code using **Fortify Static code analyzer (SAST)**. **Technologies - Java, Fortify, OWASP Dependency Scanner**.
- **Reduced the downtime** for production servers by **4 hours and human error by 40%** by automating the process using **Chef**.

Cerner Healthcare|Software Intern|Banglore,India   January 2018-July2018

- Created a **SpringBoot** Application called **Intelligent Data Filler Tool** to **insert required number of dummy data into database** as per the selected algorithm by user. Tool was able to **update required data with writing Insert Queries every time and delete data** that was created with using Delete Queries. **Technologies: Java, SpringBoot, Javascript, Bootstrap, Gradle**.
- **Presented** about **Intelligent Data Filler Tool** in **Cerner Annual Developer Conference (Devcon 2019)**.

IMIMobile|Summer Intern|Hyderabad,India   May 2017- July 2017

- Created Dashboards in **Tableau** by using various data analytic options provided within it such as **graphs, KPI's** for various client campaigns. **Technologies: Tableau, SQL**.
- **Automated alerts** using **python** to send E-Mails of **Dashboard's snapshots** and metrics if any failed.

SKILLS

Languages: Java,Javascript,SQL, Python
Build and Deploy: AWS(RDS,EC2,Load Balancer),Chef,Docker,GIT
Databases: MySQL, MongoDB, MS SQL
Web Technologies: HTML5,React,NodeJS,Rest API,GraphQL,Apache Kafka,CSS
Unit Testing: Junit,Mocha JS,React Testing Library,ChefSpec

PROJECT

Simulation of Reddit

- Developed a **prototype of Reddit** website enabling users to discuss and join communities.
- Customized application to **send invite** to other users to join a community, add posts etc.
- Project was **deployed on 4-node cluster** handling more than **10000 messages in less than 3 minutes**.
- **Increased the throughput** to get more than **10000 messages** from **80 requests/minute to 2500 requests/minute** by using **SQL caching (Redis) and Kafka for stability.**.
- **Technologies: React.js,Node.js,Redux,MySQL,MongoDB,Kafka,Mocha,Redis,AWS EC2,Passport.js**.

Simulation of Splitwise

- Developed a **prototype of splitwise** website enabling users to split bills and expenses.
- Customized application to **send invite to other users** to join a group, **add bill** etc.
- Project was **deployed on 2-node cluster** in AWS.
- **Technologies: React.js,Node.js,Redux,MySQL,MongoDB,Kafka,Mocha,AWS EC2,Passport.js**.

H-Rate

- An **Android Application**, similar to Quora where users can ask questions related to the **field of medicine and medical sciences**.
- The user also has **ability to give feedback** to medical services user has used in a nearby location.
- **Technologies: Java, Android Studio, MySQL**.

Instacart Market Basket Analysis

- The data provided by Instacart for Market Basket Analysis was used to analyse the **reorder pattern of a product and frequent item set was determined**.
- To determine if a product will be reorder or not the algorithms used were **XGBoost (90.47), Decision Tree (84.40) and Logistic regression (90.10)**.
- **Technologies:** Python, Jupyter Notebook, Pandas, SKLearn