Sai Kiran Jella

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EDUCATION

Master of Science in Computer Science
Indiana University Bloomington
Bachelor of Technology in Computer Science and Engineering
Jawaharlal Nehru Technological University

SKILLS

Programming Languages: C, Go, Java, JavaScript, Python, Typescript
Web Technologies: Angular, AngularJS, React, Redux, RxJS, Hibernate, Jasmine, Jest, Nx, Figma, Storybook
Frameworks: Spring Boot, ExpressJS, FAST API, Keras, Tensorflow.
Cloud and Tools: Jenkins, Docker, Gradle, Maven, Kubernetes, GCP
Databases: Oracle 11g, MongoDB, MySQL, PostGreSQL
Others: Agile, Git, JIRA, Bitbucket.

WORK EXPERIENCE

Full Stack Engineer, Fidelity Investments   Oct 2023 - Present
- Developing and managing java microservices for Fidelity's Annuity Account Opening Team.
- Designing reactive web components using Angular.

Application Developer, Cyberinfrastructure for Network Science Center   May 2022 - Oct 2023
- Designed networks to visualize diseases and biomedicines for NSF biomedical projects using Angular and Cytoscape library.
- Automated the deployment process using Github actions to deploy the application on Netlify under 5 minutes.
- Leveraged Ngxs to establish and manage application states, optimizing component behavior and enhancing user experience.

Full Stack Engineer, ADP   Aug 2019 - Aug 2021
- Revamped a Jenkins pipeline and utilized Docker to reduce build times by 20 minutes.
- Slashed the application size by 80% by migrating AngularJS to Angular 8 and implementing a lazy loading approach.
- Streamlined a process for delivering different UI designs across multiple SORs. Led cross-functional team meetings, communicated the streamlined process, and monitored its progress through successful delivery.
- Developed a rest controller using Spring for fetching insights from the Oracle database.
- Improved the performance of restful web services by implementing caching using Redis for Spring Boot.
- Implemented robust functionality for sorting, searching, and filtering of a diverse range of 500 metrics using the Angular Grid API.
- Designed interactive charts using Highcharts, to visualize metrics across 20 dimensions such as Time, Location, Job, Department, and more.

PROJECTS

Fitness Dial
- Created a wellness application using React and ExpressJS which allows users to view content uploaded by fitness professionals.
- Built three distinct dashboards tailored for users, fitness professionals, and administrators.
- Deployed the application on Google CloudRun and automated the deployment using Google CloudBuild.

Parts of Speech Tagging using Viterbi Algorithm
- Built a Simple Hidden Markov Model in Python to classify parts of speech for words in sentences.
- Improved the accuracy of the algorithm by 10% using the Viterbi Algorithm.