

Summary

Seasoned Software Engineer with 3+ years' expertise in FullStack development using Python, Node, and ReactJS. Passionate about leveraging technology to elevate lives and dedicated to fortifying web applications for enhanced security. Committed to unraveling complex challenges, delivering top-notch solutions, and leaving an indelible mark in the software engineering landscape

Experience

American Express (Contractor)

Sep 2023 - Dec 2023

Engineer 1

Remote

- Enabled the expansion of the existing web app portal into a multi-tenant structure, boosting its scalability to meet varied user requirements effectively.
- Spearheaded a data-centric methodology throughout projects, resulting in enhanced decision-making and superior project outcomes.
- Contributed to transitioning away from external dependencies like Elasticsearch, shifting towards leveraging PostgreSQL for comprehensive full-text search capabilities.
- Played a pivotal role in crafting custom authentication procedures integrating Amex LDAP servers.

FairShares, Inc.

May 2022 - May 2023

Software Engineer

Florida FL

https://fairshares.com/

- Designed and developed the FairShare application from the ground up, a platform that allows users to save tax on dividend's in a fair and transparent way.
- Created a user-friendly frontend interface using React, DasyUI, Remix, and zustand, leveraging the latest web technologies and best practices.
- Ensured the security and reliability of the application by implementing user authentication, data validation, and protection against the top 10 OWASP vulnerabilities.
- Streamlined the deployment and delivery of the application by automating the CI/CD process using GitHub Actions and AWS, while maintaining semantic versioning standards

Mutual Mobile

March 2021 - April 2022

Associate Software Engineering

Hyderabad,India

https://mutualmobile.com/

- Developed and maintained web applications for fintech clients using Django, a Python-based web framework.
- Managed web servers on Amazon Web Services (AWS), a cloud computing platform, using Elastic Beanstalk, a service that automates deployment and scaling of web applications. Implemented AWS WAF, a web application firewall, to protect websites from common web exploits and enhance security.
- Worked on the frontend of web applications. Mostly using MVT approach where i worked on old school technologies such as vanilla js, JQuery.
- Collaborated with other engineers and stakeholders using agile methodologies and tools such as Git, Jira, and Slack.
- Learned new technologies and best practices through code reviews, online courses, and mentorship.

Aptagrim

September 2020 - February 2021

Python Developer

Hyderabad,India

- Collaborated closely with the development team to design and implement scalable and efcient backend solutions, ensuring optimal performance of the applications.
- Contributed actively to the debugging and troubleshooting process, effectively resolving issues to maintain the functionality and reliability of the backend systems.
- Played a key role in the integration of third-party APIs, enhancing the functionalities and features of the applications.
- Engaged in continuous learning and exploration of new technologies, implementing best practices and innovative approaches to improve server-side functionalities.
- Assisted in the documentation process, ensuring comprehensive and clear documentation of the backend systems for easy future references and knowledge sharing within the team

Bigadatamatica

April 2020 - September 2020

Python Developer Intern

- Designed, Built, implemented and monitored a AI based Chat-Bot using Rasa Framework. Determined most effective approaches in deploying Chat-Bot for enterprise level,Working closely with clients to establish specifications and Requirements.

Education

City University of New York-College of Staten Island

September 2022 - December 2023

Computer Science

Masters

3.5

SREYAS INSTITUTE OF ENGINEERING & TECHNOLOGY

January 2017 - December 2021

Computer Science and Engineering

Bachelor of Technology - BTech

3.5

Projects

FastApi Admin Pannel.

https://github.com/sheggamharshith/fullstack_fastapi_template

The FastAPI Admin Panel is a project aimed at creating a user- friendly administrative interface for FastAPI applications, similar to Django Admin Panel. It streamlines user management, offers CRUD operations, and allows for customization to meet specific application requirements. This is project is promising effect to get back the djngo admin

Six Axis Industrial Roboticarm

https://sheggamharshith.com/projects/robotics/

The project has achieved a significant milestone by successfully developing an advanced six-axis robotic arm. Additionally, a customized PCB was meticulously designed and implemented to ensure optimal performance. The integration of OpenCV played a crucial role in enabling precise object identification, enhancing the arm's capabilities in handling various tasks with accuracy

Publications

Industrial Rod Size Diameter and Size Detection

In the steel industry, cutting Thermo-mechanical treatment (TMT) rods is laborious and reliant on complex machines, sensors, and manual effort. Our research introduces an efficient methodology using digital image processing and computer vision. By enhancing images, detecting rod edges, and calculating diameters from captured images, we've designed a robust system. Our experiments showcase its effectiveness, offering a precise and efficient solution for measuring TMT rods, minimizing errors even under challenging conditions,