VENKATA SIDHARTHA K
BACKEND DEVELOPER

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Professional Skill

- Python Programming
- Frappe Framework
- Django Framework
- Flask Framework
- Docker
- REST Api's
- ORM
- MYSQL
- EC2 AWS
- S3 Bucket AWS
- Micro Service
- Monolithic Service
- System Design
- GitHub
- HTML
- RabbitMQ
- Postman
- Burp Suite
- Debugging Operations

Professional Summary

- **Backend Developer** with over **4 years of experience** in **Python** and web frameworks including **Frappe, Django, and Flask**.
- Architected a **software SDK** that reduced **data loss by 99.9%** and improved **error tracking reliability by 95%.**
- Proficient in **MySQL, REST APIs, Docker, ORMs, JSON,** and **Linux systems**.
- Known for delivering **exceptional results**, exceeding **project goals**, and **optimizing performance**.
- Skilled in identifying and **resolving root causes of issues** and implementing **effective solutions**.

Work Experience

Backend Developer, 05/2022 to Present
Karkhana.io (**Bendable Technology Solutions Pvt. Ltd.**) - Bangalore, India

- **Architected a Software SDK: Reduced data loss** by **99.9%** and improved **error tracking** reliability by **95%**.
- Service Design: Created a service to maintain all master data, **solving data duplication** and **manipulation issues**. This reduced human error by **98%** and increased usage across various web apps without any collisions.
- **Design and Development:** Led the design, development, and meticulous maintenance of server-side logic and databases for various web applications, ensuring stability and reliability.
- **Technological Proficiency:** Utilized extensive knowledge in **Django, Frappe, Flask, ORM, Docker, Python, MySQL, and GitHub** to adapt swiftly to evolving project requirements and technological advancements.
- **Architecture Design:** Crafted both **microservice** and **monolithic architectures** tailored to meet specific business requirements, optimizing performance and scalability.
- **Code Optimization and System Design:** Took ownership of writing scalable code, fine-tuning database queries, and designing robust systems that perform optimally under various conditions, ensuring high performance and efficiency.
- **Collaboration and Integration:** Collaborated seamlessly with frontend developers to deliver intuitive and seamless user experiences, ensuring effective integration of backend functionalities with frontend designs.
- **Security and Troubleshooting:** Implemented stringent security measures, seamless API integration and development, and comprehensive system design to address and troubleshoot server-side issues, ensuring the integrity and security of web applications.

Junior Software Developer, 11/2020 to 04/2022
Vsolv Engineering pvt ltd - Chennai India

- Collaborate with senior developers to **design**, **develop**, and maintain **web applications**.
- Utilize **Python** and **Django**, including **Django Rest Framework**, to build and enhance APIs for seamless data communication.
- Optimize **ORM** queries to ensure efficient data retrieval and manipulation, improving application performance.
- Maintain organized and well-documented codebases, regularly updating and managing repositories on GitHub for version control.
- Learn from experienced team members, actively seeking opportunities to expand my knowledge and skill set in software development.
- Work closely with designers and frontend developers to deliver user-friendly and intuitive web experiences.
- Participate in code reviews, debugging, and troubleshooting to ensure high-quality software solutions.

R&D Projects and Publications

- EDA App for Frappe : https://shorturl.at/yUV49
- Json validator lib for python : https://shorturl.at/48SES
- SplitAmoung Low-level Architecture: https://shorturl.at/uL7WW
- Url Shortener Low-level Architecture : https://shorturl.at/u6lEv

Education

Graduated July 2020
Degree(BE) in ECE
At st,peter university chennai , TN
Graduated May 2017
Diploma in ECE
At panimalar polytechnic college chennai , TN

Professional Development

- **AWS Training** – Currently studying AWS to enhance cloud computing skills