

# VENKATA SIDHARTHA K

## BACKEND DEVELOPER

+91-7200558088  
[venkatasidhartha@gmail.com](mailto:venkatasidhartha@gmail.com)  
<https://www.linkedin.com/in/sidhartha-k/>  
<https://github.com/venkatasidhartha>

### Professional Skill

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- 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
- Git
- HTML
- RabbitMQ
- Postman
- Burp Suite
- Debugging Operations

### Professional Summary

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- **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

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**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%**.
- **Implemented a centralized master data service** that eliminated data duplication and manipulation issues, resulting in a **98%** reduction in human error and enabling seamless integration across **5 web applications** 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**

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- 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