

SANTHOSH K S

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ABOUT ME

I bring 7+ years of extensive experience in developing robust backend services using modern frameworks like FastAPI, Django, and Flask, coupled with front-end skills in React.js and Vue.js. My technical breadth covers exposure to Azure and AWS, CI/CD practices, and managing complex database ecosystems (PostgreSQL, MongoDB, and Elasticsearch).

EDUCATION

JEPPIAAR INSTITUTE OF TECHNOLOGY

BE - EEE

2013 - 2017

ST. JOSEPH'S MATRIC HIGHER SECONDARY SCHOOL

School education

WORK EXPERIENCE

2024-
NOW

SIEMENS GAMESA RENEABLE ENERGY PVT LTD - BANGALORE

Software Engineer - 2

- **Project**: Service Guide Tool
- **Tech Stack**: FastAPI, Flask, Azure AI Search, Azure OpenAI, Socket.IO, Async MongoDB, Async PostgreSQL, Linux, PowerShell, Nginx, React.js.
 - Developed and enhanced the Service Guide tool, including an AI-powered chatbot for intelligent service query handling.
 - Implemented the Service Guide AI using FastAPI WebSockets, integrating Azure AI Search, Azure OpenAI, Async MongoDB, and Async PostgreSQL for scalable, real-time communication.

2021-
2024

ANIMAKER INC - CHENNAI

Python developer

- **Project**: Animaker Video Tool
- **Tech Stack**: Python, Django, MySQL, Elasticsearch, AWS (S3, Transcribe), Google Translate API, JavaScript, React.js, HTML
 1. Engineered and maintained backend services for Animaker's web and iOS platforms, enabling automated subtitle generation and multilingual translations, significantly reducing manual effort.
 2. Optimized data handling using MySQL, AWS S3, and Elasticsearch, leading to substantial improvements in asset retrieval speed and search accuracy.

SKILLS

- **Operating System**: Windows, LINUX
- **Programming languages**: Python 3.x
- **Frameworks**: Django 2.x, Flask, Fast API
- **Cloud platforms**: Microsoft Azure, AWS
- **Frontend Technology**: React JS, HTML CSS.
- **CI/CD tools**: Jenkins, Azure devops
- **Version Control system**: GIT, GitHub, GitLab
- **Database**: MSSQL, MySQL, PostgreSQL, Elastic Search.
- **IDE Tools**: Pycharm, Jupyter, VS code

EXPERTISE

- Agile Collaboration
- Team Coordination
- Full-Stack Efficiency
- Task Prioritization
- Database, Data & Search

LANGUAGE

- Tamil
- English

2021-
2021

SAINT-GOBAIN INDIA PRIVATE LIMITED - VEGA INTELLISOFT PVT LTD (ON PAYROLL)

Software Application Developer

- **Project** : Glass-APS
 - **Tech Stack** : Python, Django, Django REST Framework, FastAPI, Vue.js 3, HTML, CSS
1. Developed and integrated Django REST Framework and FastAPI services for advanced planning and scheduling in glass manufacturing, improving resource utilization and production efficiency.
 2. Contributed to both frontend (Vue.js, Vuex) and backend enhancements, including user authentication, UI design, and issue resolution to optimize overall system performance.

2018-
2021

EG INNOVATIONS PVT LTD - CHENNAI

Programmer

- **Projects** : eG Agent & eG Manager
 - **Tech Stack** : Python, Django, PowerShell, REST API
1. Developed and enhanced monitoring modules in eG Enterprise, enabling real-time tracking of virtualized IT environments (SharePoint, Citrix, GitHub, Jenkins, etc.) through custom test functionalities, server-side pagination, and REST API integrations.
 2. Contributed to both frontend and backend development in the eG Manager module, implementing business logic, user authentication, role-based access, and validation, while adhering to Agile/SCRUM practices with comprehensive documentation and test coverage.