VENKATA SAI YAKKSHIT REDDY ASODI

Geneva, Switzerland.

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Summary 🔗

Full-stack engineer with a focus on AI innovation and healthcare technology. Experienced in developing scalable SaaS applications using Python and modern frameworks. Passionate about leveraging artificial intelligence to solve real-world healthcare challenges, with a proven track record of implementing AI-powered solutions. Seeking to contribute technical expertise to revolutionize mental healthcare through innovative technology solutions.

Technical Skills 🔗

Languages - Python, JavaScript (ES6+), HTML5, CSS3
Frameworks - FastAPI, React, MongoDB, Flask
AI/ML - LangChain, OpenAI API, Hugging Face Transformers, PyTorch
Cloud & DevOps - AWS, Docker, Kubernetes, CI/CD
Tools - Git, RESTful APIs, Swagger, Agile/Scrum

Experience in

Circleup AG 🏢   December 2023 – July 2024
Lead Full Stack Engineer   📍 *Zurich, Switzerland*

Responsibilities:
- Led the development of AI-powered SaaS applications, integrating advanced language models and speech recognition technologies to automate document processing workflows.
- Architected scalable backend solutions using Python and FastAPI, implementing robust API endpoints for AI model integration and data processing.
- Managed a cross-functional team in an agile environment, driving product development from conception to deployment.

Environment: *Python, FastAPI, MongoDB, React, AWS, Docker*

Cedzlabs 🏢   March 2023 – July 2024
Full Stack Engineer   📍 *Berlin, Germany*

Responsibilities:
- Developed and maintained healthcare-focused SaaS applications, implementing secure data handling and GDPR compliance measures.
- Built RESTful APIs and microservices architecture for processing sensitive medical data, ensuring scalability and performance.

Environment: *Python, MongoDB, FastAPI, AWS, React*

Checkout my other experiences by clicking here

Projects ⭘

HealthDoc AI | *FastAPI, MongoDB, LangChain*   **2023**
Description:
* Developed an AI-powered medical documentation system that automates the creation and processing of clinical notes. Implemented advanced NLP techniques for medical text analysis and integrated speech-to-text capabilities for real-time transcription. Achieved 85% reduction in documentation time for healthcare providers.

Tools: *Python, FastAPI, MongoDB, LangChain, AWS*

AI Speech Analytics Platform | *Python, FastAPI*   **2023**
Description:
* Built a HIPAA-compliant platform for analyzing therapeutic conversations using AI. Implemented real-time speech processing and sentiment analysis for mental health professionals. Deployed on AWS with robust security measures and scaling capabilities.

Tools: *Python, FastAPI, MongoDB, AWS, React*

Achievements / Certifications

· Led development of an AI documentation system that reduced processing time by 70% for healthcare providers.
· AWS Certified Solutions Architect with focus on HIPAA-compliant healthcare applications.
· Published research on AI applications in healthcare documentation automation.

Strengths: *Healthcare AI expertise, technical leadership, agile methodologies, security compliance*
Languages: *Telugu - Native | English - Fluent | Hindi - Fluent | German - Elementary | Swedish - Elementary*