



# SAI KARTHIK VEMURI

Senior Full Stack Developer & AI Engineer

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## Summary

Dynamic and results-driven AI Engineer and Full Stack Developer with 9+ years of experience in AI integration, cloud architecture, and full-stack development. Proven leader in managing cross-functional teams and delivering innovative AI-powered solutions. Passionate about leveraging cutting-edge technology to drive business impact and improve user experiences.

## Experience

 Aaspaas Online Services Pvt. Ltd

Hyderabad  
06/2015 - Present

### AI Engineer & Team Lead

#### Stealth Startup -

- Led the development of an AI Assistant, integrating advanced NLP models and real-time data retrieval, which contributed to securing \$2M in seed funding.
- Developed and implemented AI models utilizing OpenAI, Claude, Langchain, RAG, and Pinecone.
- Led customer requirement gathering sessions, translating business needs into technical specifications, ensuring on-time project delivery and 30% faster iteration cycles.

### Cloud & DevOps Engineer

#### Medneon, SiliconANGLE -

- AWS Certified Solutions Architect - Associate & Google Cloud Certified Professional Cloud Architect
- Optimized cloud infrastructure on AWS (EC2, Lambda, S3, DynamoDB) and GCP (Cloud Functions, GKE, VPC), reducing AWS costs by 40% for a client while improving system uptime
- Deployed Dockerized applications with Kubernetes, improving deployment efficiency
- Automated CI/CD pipelines using CodePipeline, Cloud Build, and GitHub Actions

### Senior Full Stack Developer

#### CrowdChat, Wilcosource, SiliconANGLE -

- Specialized in Node.js with expertise in the Next.js framework for building scalable web applications
- Strong hands-on experience with Python and Java, including past work with Flask and Django frameworks
- Proficient in React.js for front-end development, with past experience in Angular.js and Vue.js
- Extensive experience with SQL and NoSQL databases: MongoDB, Elasticsearch, Redis, and DynamoDB
- Experienced in No-Code platforms, enabling rapid prototyping and automation for various business applications

## Skills

AI & ML: OpenAI • Langchain • Pinecone • GPT • Claude

Backend: Node.js • Python • Java

Frontend: React.js • Angular.js • Vue.js

Databases: PostgreSQL • MongoDB • Elasticsearch • Redis • DynamoDB

Cloud & DevOps: AWS • GCP • Kubernetes • Docker • CI/CD

## Certification

AWS Certified Solutions Architect - Associate — Valid until 2026

Google Cloud Certified Professional Cloud Architect — Expired: 2021


## Key Projects & Achievements

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 **AI Assistant Development**  
Led AI product development that secured \$2M in seed funding

 **Hosted DockerCon 2020-22**  
Served as a Full-Stack Developer and Cloud Architect for DockerCon, the world's largest container industry conference

 **Built Healthcare AI Solutions**  
Designed and implemented AI-driven solutions for the healthcare industry, enhancing data management and enabling cancer gene prediction

 **Corporate Chat Platform Development**  
Designed and built a chat platform for corporate communications, integrating real-time Twitter analytics for enhanced data insights

## Education

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BITS Pilani  
M.Sc. Tech. Information Systems

Hyderabad  
08/2011 - 05/2015

## Languages

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ENGLISH Native ●●●●●

Telugu Native ●●●●●

Hindi Proficient ●●●●●