

Tejashwi

Architect/Lead Software Architect

SUMMARY

- Software Architect with 10+ years in designing scalable AI-driven backend systems, specializing in Generative AI, LLMs, and RAG pipelines using LangChain and Weaviate.
- Expertise in cloud-native deployments on AWS Bedrock, Azure OpenAI, Kubernetes, and MLOps with CI/CD pipelines using Docker, CircleCI, and GitHub Actions.
- Led architecture and implementation of AI-powered healthcare apps automating IVR call systems and gift card backend platforms with Kafka, Redis, and microservices.
- Skilled in monitoring and observability using Grafana, Prometheus, and OpenTelemetry to maintain production-ready AI systems and ensure high performance.

TECHNICAL SKILLS

Main Technical Skills	Python (5 yr.), Go (10 yr.), Node.js (10 yr.), LangChain (5 yr.)
Programming Languages	Go (10 yr.), Python (5 yr.)
AI & Machine Learning	GenAI (3 yr.), LangChain (5 yr.)
JavaScript Frameworks	Node.js (10 yr.)

WORK EXPERIENCE

Software Architect (Together)

Summary:

- Together is a US based healthcare app aiming to automate and centralize all medical information for users, featuring automated appointment scheduling, emergency care circle, and medicine records
- The project focuses on automating call placement with hospitals or pharmacies through IVR systems to facilitate appointments and medicine orders

Responsibilities:

- Created and maintained AWS infrastructure for call automation.
- Architected scalable and resilient infrastructure in collaboration with AWS senior developer.
- Ensured system reliability and automation efficiency.

Technologies: Golang, Python, OpenAI GPT, LangChain, AWS (Bedrock, EC2, Lambda, S3, CloudWatch), Docker, Kubernetes, GitHub, Grafana, Prometheus, Postgres, Vector Databases

Senior Golang Developer (Qwikcilver (PineLabs))

Summary: Qwikcilver is an end-to-end gifting and stored-value solution that helps brands and retailers provide gift vouchers and gift cards, facilitating business transition to digital gift solutions.

Responsibilities:

- Developed admin UI for creating gift cards and handling card transactions.
- Managed order placement for various brands such as Amazon and Flipkart.
- Maintained backend services and ensured smooth transaction processing.

Technologies: Golang, AWS (ECS, S3, CloudWatch), Kafka, Redis, Postgres, Docker, Kubernetes, GitHub Actions, CircleCI, Microservices

Software Architect (Confidential)

Summary: Developed a generic self-learning AI chatbot capable of answering user questions from a limited knowledge base including documents and URLs, enhancing user interaction with dynamic content extraction.

Responsibilities:

- Built AI model for question answering from various document formats and URLs.
- Implemented self-learning capabilities to improve chatbot responses.
- Managed deployment and orchestration of AI services.

Technologies: NodeJS, Python, OpenAI GPT, LangChain, FastAPI, AWS (Bedrock, Lambda, API Gateway), Docker, Kubernetes, GitHub, MLflow, Vector Databases

Lead Golang Developer (To&From)

Summary: To&From is a gift recommendation system that builds user profiles based on personality and lifestyle to provide curated gift suggestions, including a server, admin portal, and user websites for gifters and giftees.

Responsibilities:

- Led backend development for server and API services.
- Integrated Redis and Postgres databases for data management.
- Planned future AI recommendation modules using LangChain.
- Managed deployment on AWS EKS with container orchestration.

Technologies: Golang, Python, REST, Redis, Postgres, Docker, Kubernetes, GitHub, LangChain, AWS EKS, Chi

Backend Developer (Bicycle Health)

Summary: Bicycle Health is an online platform supporting opioid addiction recovery by providing doctor consultations, treatment plans, testing, and prescriptions through a digital healthcare service.

Responsibilities:

- Developed backend services for appointment scheduling and treatment management.
- Maintained data integrity and performance using Postgres and Redis.
- Deployed and managed services on AWS EC2 with containerization.

Technologies: NodeJS, REST, Redis, Postgres, Docker, Kubernetes, AWS EC2, GitHub



Backend And DevOps Lead (Heal)

Summary: Heal is a healthcare platform providing medical support and assistance from home, integrating multiple BLE-connected devices to monitor patient health metrics and enabling telephonic medical consultations.

Responsibilities:

- Led backend and DevOps efforts for device data integration and monitoring.
- Managed BLE device connectivity and data transmission to medical practitioners.
- Implemented monitoring and observability using Prometheus and Grafana.
- Handled deployment on AWS ECS with container orchestration.

Technologies: NodeJS, BLE, REST, Postgres, Docker, AWS ECS, GitHub, Prometheus, Grafana

