RAMYA TAMMA

Hyderabad, India 500032 ◆ +91 9542325039 ◆ tammaramya@gmail.com

https://www.linkedin.com/in/ramya-tamma-0a3b15198/

PROFESSIONAL SUMMARY

Software Engineer with 4+ years of experience in designing and developing high-performance web applications and scalable front-end architectures. Skilled in building responsive and interactive user interfaces using React, modern JavaScript ES6+, HTML5, and CSS, while architecting robust server-side systems with Python and frameworks like FastAPI. Hands-on experience with LangChain for building LLM-powered intelligent agents and RAG Engines across distributed systems.

WORK HISTORY

Senior Software Engineer, 05/2024 to Current
Netenrich Technologies Pvt Ltd - Hyderabad, India

- Designed and built a **stateful multi-agent system (Welcome Supervisor)** leveraging LangGraph to automate user onboarding, Chronicle project setup, rule publishing, and data validation processes, **cutting onboarding time by 80%**
- Built a React interface for **agent creation, management, and real-time chat via WebSocket integration**, enhancing user engagement and communication efficiency.
- Developed and maintained applications leveraging PostgreSQL for relational data management and Elasticsearch for advanced search and analytics functionality.
- Utilized TanStack Query (React Query) for caching and optimistic updates, improving UI performance and **reducing unnecessary API calls by up to 40%.**
- Developed a FastAPI service to dynamically create and update customer-specific contexts, enabling agents to function as **RAG engines for real-time data-driven actions.**
- Contributed as part of the Frontend Governance Team, ensuring code quality through thorough code reviews, and tools like SonarQube to enforce clean coding standards across teams.
- Led UI feature development by collaborating with junior developers, driving the end-to-end implementation of major modules, with an emphasis on maintainability, security and scalability.

Software Engineer, 04/2021 to 04/2024
Netenrich Technologies Pvt Ltd. - Hyderabad, India

- Implemented a webhook-triggered Gmail parser to extract context from emails and process it via an event-driven microservice architecture using Pub/Sub.
- Developed high-quality and intuitive UI features in React, including complex workflows like account creation and subscription management, enabling smooth and scalable customer onboarding experiences.
- Built a powerful UI Configurator module, allowing customers to create and manage Rules, Correlation Rules, On-call Management, User Management, Teams, and Ticket Policies.
- Designed and implemented reusable, global UI components used across teams, ensuring consistency, maintainability, and scalability across the organization.
- Worked in multiple teams by following Agile methodologies, with a strong focus on iterative delivery, continuous feedback, and team collaboration.

SKILLS

- **Programming Languages:** JavaScript, Type Script, Python, HTML5, CSS
- **Frameworks & Libraries**: Antd, React, Redux , React Query, FastAPI
- **Cloud Platforms**: GCP (Google Cloud Platform).
- **Databases**: PostgreSQL, Elasticsearch
- **Messaging Services**: Pub/Sub
- **Testing Frameworks**: Jest, Test Driven Development (TDD)

- **Containerization & Orchestration**: Docker, Kubernetes, CI/CD, Jenkins
- **GENERATIVE AI**: LangGraph, LangChain, RAG Engines, Large Language Models
- **Frontend System Design**: Component-driven architecture, Code-splitting & lazy loading , State management (Redux Toolkit, Context)

EDUCATION

Bachelor of Technology: Electronics and communications Engineering , 06/2021
Rajiv Gandhi University of Knowledge Technologies - Nuzvid, Andhra Pradesh
- Secured 9.00 CGPA in the stream of Electronics and Communication Engineering.

LANGUAGES

English

Advanced (C1)

Telugu

Advanced (C1)