

SUMMARY PROFESSIONAL:

Results-driven full stack developer with expertise in Python and JavaScript ecosystems, specializing in building scalable, user-centric web applications. Proven track record of leveraging modern frameworks like React.js, Node.js, and Django to deliver efficient solutions that drive business growth. Combines technical proficiency with collaborative problem-solving skills to create innovative software in Agile environments.

TECHNICAL SKILLS

- Python Ecosystem: **Django, Flask, FastAPI, NumPy, Pandas**
- JavaScript Ecosystem: **React.js, Node.js, Next.js, TypeScript, Angular**
- Frontend Technologies: **HTML5, CSS3, Tailwind CSS, Bootstrap, Responsive Design**
- Databases: **PostgreSQL, MongoDB, MySQL, Redis, DynamoDB**
- DevOps & Cloud: **Docker, Kubernetes, CI/CD, GitHub Actions, AWS (Lambda, S3, RDS, EC2), Azure**
- Testing & API: **Jest, Cypress, Selenium, Pytest, RESTful APIs, GraphQL**
- Authentication & Security: **OAuth 2.0, JWT**
- AI/ML Technologies: **TensorFlow, Generative AI APIs (Vertex AI), LangChain, LangGraph**
- Methodologies: **Agile, SOLID Principles, Microservices Architecture**

PROFESSIONAL EXPERIENCE

Software Engineer

July 2024- Present

Reliant Technologies LLC, Charlotte, NC

- Designed and implemented high-performance RESTful APIs using Python (v3.12), improving data exchange efficiency by 30% and ensuring seamless integration.
- Orchestrated containerized application deployments with Docker and Kubernetes on Azure Cloud Platform (AKS), increasing deployment efficiency by 45%.
- Implemented Datadog monitoring solutions for real-time application performance tracking, reducing system downtime.
- Debugged complex threading issues and memory leaks in production environments using Python tools.
- Optimized database queries and implemented caching strategies with Redis, reducing API response times by 25%.
- Implemented CI/CD pipelines using GitHub Actions, automating deployments and reducing manual errors by 40%.
- Developed and maintained comprehensive documentation for APIs and production support.

Associate Software Engineer

Jun 2021– Jul 2022

Carelon, India

(Leading technology provider for major Health insurance provider 'Elevance', one of the Fortune 500 companies.)

- Developed cloud-native microservices using Node.js and TypeScript, focusing on scalable healthcare data processing and integration.
- Designed and implemented RESTful APIs with Express.js and integrated third-party services using AWS Lambda and API Gateway.
- Built automated CI/CD pipelines using Jenkins and Docker to streamline deployments to AWS ECS.
- Utilized MongoDB and DynamoDB for efficient storage and retrieval of healthcare records.
- Implemented real-time data analytics dashboards with React.js and Chart.js, enabling actionable insights for stakeholders.
- Collaborated with cross-functional teams to ensure HIPAA compliance and robust security practices throughout the software development lifecycle.
- Led the migration of legacy Python scripts to serverless AWS Lambda functions, improving performance and reducing operational costs.

Technologies: Python, Django, React.js, Redis, PostgreSQL, MongoDB, Kubernetes, Docker, Jenkins, AWS.

Web Developer Intern

Aug 2020– Oct 2020

Technocolabs, India

- Developed a React Native marketplace application using JavaScript/TypeScript, serving 1,000+ active users with seamless Stripe payment integration.
- Implemented responsive UI components with React Native and styled-components, ensuring cross-platform compatibility for iOS and Android.
- Created RESTful API endpoints using Node.js and Express.js that processed 10,000+ daily requests with 98% efficiency flow.
- Utilized Firebase for real-time database management and authentication, reducing development time by 30%

Technologies: JavaScript, TypeScript, React Native, Redux, Node.js, Express.js, Firebase, Figma.

PROJECTS

Farm Assistant AI (Capstone Project)

- Built an AI code assistant intelligent assistant designed to support farmers by providing real-time, data-driven insights tailored to crop stages, current weather conditions, and soil attributes. The goal is to enhance decision-making for better yields.
- Integrating tools to fetch real-time weather data via the OpenWeatherMap API.
- Utilized GenAI Gemini models for dynamic Conversations by Utilizing chat.send_message().
- View the project at <https://www.kaggle.com/code/saiteja996/farm-assistant-genai-capstone-project>

AI-Powered Code Assistant (Personal Project)

- Built an AI code assistant using Python backend with Flask API and React.js frontend, integrating OpenAI's GPT API for intelligent code suggestions.
- Implemented secure authentication and API rate limiting to ensure service availability and data protection.
- Developed WebSocket integration for real-time code suggestions and debugging assistance, reducing development time by 25%.
- Deployed the solution on AWS using Docker containers and CI/CD pipeline, ensuring 99.9% uptime.

Event Master – Event Management platform

- Designed a serverless Event Management application leveraging AWS Lambda, DynamoDB, and S3 for cost-efficient scalability.
- Integrated real-time notifications with SNS and SES.
- GitHub: <https://github.com/teja996/EventMaster/tree/master>

EDUCATION

Wichita State University, Master of Science in Computer Science (Aug 2022 - May 2024) CGPA:3.75/4

Courses: Cross Platform Application Development, Generative AI, Machine Learning, Big Data, Artificial Intelligence, Advanced Software Engineering, Wireless Networks, Algorithms and Analysis, Contemporary Legal and Policy Issues in Cybersecurity, Reinforcement Learning, and Database Systems.

Kalasalingam Institute of Technology, Bachelor of Technology in Computer Science (Aug 2017 - May 2021) CGPA:7.5/10

CERTIFICATIONS

- **5Day GenAI Intensive by Google and Kaggle. (04/2025)**
- **AZ900: Azure Cloud Fundamentals Certification. (07/2024)**
- **The Ultimate MySQL Bootcamp**
- **Programming Foundations: Data Structures (07/2023)**
- **Data Analysis with Python (06/2022)**
- **SAP Certification (03/2021)**
- **Core Java (J2SE) (07/2018)**