

Venkata Sai Teja Yerramsetti

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Professional Summary

Full Stack Software Engineer with 4+ years of experience building scalable web applications and enterprise solutions across React.js, Java Spring Boot, Node.js, and cloud platforms. Adept at collaborating with stakeholders to define requirements, integrating feedback into features, and delivering secure, maintainable, and extensible code. Experienced in debugging, telemetry, and system monitoring to ensure reliability and performance at scale. Strong foundation in data structures, algorithms, and large-scale system design, with a proven growth mindset and focus on continuous improvement.

Skills

- **Frontend:** React.js (Hooks, Redux, Router, JSX), Angular (8+), TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Bootstrap, CSS-in-JS (styled-components), jQuery, accessibility (WCAG standards)
- **Backend:** Java (Spring Boot, Spring Data), Node.js, Express.js, RESTful APIs, C# (ASP.NET basics), Python (Flask, Django), AWS Lambda
- **Data Analysis & Visualization:** Large-scale systems data analysis, distributed data pipelines, data visualization with Tableau/Power BI, Python (Pandas, NumPy, Matplotlib), performance analytics for enterprise-scale applications.
- **Databases:** MongoDB, MySQL, PostgreSQL, SQL Server, Oracle, **data modeling & optimization for large-scale systems.**
- **DevOps & Cloud:** Docker, Kubernetes (GKE/EKS), AWS (EC2, S3, Lambda, CloudWatch), CI/CD (Jenkins, GitHub Actions), Observability (Prometheus, Grafana), **system health monitoring, debugging, and performance tuning.**
- **Software Engineering Practices:** Git, GitHub, Bitbucket, Postman, Chrome DevTools, Agile/Scrum, TDD/BDD, unit & integration testing (Jest, React Testing Library, JUnit, Mockito)
- **AI and Prompt Engineering:** Machine Learning (scikit-learn, TensorFlow), LLM integration (OpenAI API, LangChain), **Prompt Engineering for LLMs**, applied NLP, AI model performance monitoring, Microsoft Azure Fundamentals.

Experience

PlaSiV INC

AI Software Integration Intern
Remote

June 2025 – Present
Chicago -

- Design and implement **AI-enabled features** with distributed teams, improving cross-functional delivery.
- Convert product requirements into **scalable, production-ready technical solutions.**
- **Contributed to full-stack development** with **React.js (frontend)**, **Java Spring Boot & Node.js (backend)**, and **microservices architecture.**
- **Integrate and optimize ML models** in applications, enhancing real-world deployment workflows.
- Research and prototype **emerging AI/LLM technologies** for product innovation.
- Act as **Designated Responsible Individual (DRI)** for monitoring AI services, using logs and observability tools to diagnose and restore functionality.
- Support **CI/CD pipelines and Kubernetes deployments**, strengthening release velocity and system reliability.

WynFluenz

Junior Web Developer

Sep 2021 - Jul 2023
Hyderabad

- **Architected responsive UIs in React.js with Redux** for predictable, unidirectional state management, improving user engagement by 10%.
- **Implemented ES6+ JavaScript features and React Router** to deliver seamless client-side navigation across complex full-stack applications.
- **Built mobile-first, cross-browser interfaces** using **Tailwind CSS** and **Bootstrap**, increasing mobile traffic by 25%.
- **Optimized React.js front-end performance** through **code splitting** and **lazy loading**, decreasing initial load time by 15%.
- **Developed RESTful APIs with Java Spring Boot and Spring Data MongoDB**, designing schemas and services to manage customer and transactional data at scale in cloud environments.
- **Improved system reliability** by writing unit tests in **Jest** and **React Testing Library**, maintaining >90% front-end coverage, and performing code reviews to enforce best practices in **testability, debugging, and performance optimization.**

Infinibytes

Engineer Trainee

Jan 2021 - Aug 2021
Hyderabad

- **Developed modular UI components** in **React.js** and **Angular**, leveraging component-driven architecture for scalable,

reusable front-end solutions.

- **Built and integrated RESTful APIs with Node.js/Express.js** connected to **MySQL and MongoDB**, supporting large-scale data-driven applications.
- **Applied machine learning concepts** by prototyping basic **AI-driven features** (e.g., predictive form validation, recommendation logic) to enhance application functionality.
- **Automated build and deployment pipelines**, improving reliability and reducing manual effort by 40%.
- Collaborated with **Agile, cross-functional teams** to deliver end-to-end features, debug system issues, and ensure smooth releases in distributed environments.

IBM

Dec 2019 - Dec 2020

IT Analyst

Hyderabad

- **Resolved L1–L3 incidents across Unix/Windows systems**, reducing mean time to resolution by 15% and improving overall **system health and service reliability**.
- **Developed Python automation scripts** to monitor logs, detect anomalies, and trigger alerts, applying **AI-inspired approaches to anomaly detection** for faster issue resolution.
- **Mentored new analysts** on automation tools and best practices, accelerating onboarding by 20% and building a stronger support team.
- Managed and secured 200+ enterprise user accounts, ensuring **data integrity, compliance, and access control**.
- Collaborated in **debugging sessions and system triage**, providing actionable insights from log data and reinforcing high availability standards.

Electronic Corporation of India Limited – Information Technology Division

Aug 2018 - Aug 2019

Java Development Intern

Hyderabad

- **Developed secure authentication modules in Java** using Servlets, JSP, and Spring MVC to ensure reliable session management and user access control.
- **Designed MySQL schemas** for credentials, session tokens, and audit logs; integrated with Java applications via **JDBC** to support scalable, enterprise-grade operations.
- **Deployed and tested modules on Apache Tomcat**, optimizing performance and reinforcing real-world system reliability.
- Gained hands-on experience with **MVC architecture, OOP principles, Agile practices, and code reviews**, building a foundation for scalable software engineering.

Education

Lewis University, IL

May 2025

Master of Science, Computer Science

Geethanjali College of Engineering and Technology

Dec 2018

Bachelor of Technology, Computer Science

Projects

Tit-for-tat - MERN Stack Freelancing & Skill Exchange Platform

Jan 2025 - Present

- Developed a full-featured freelance marketplace using the MERN stack (MongoDB, Express.js, React.js, Node.js). Implemented a skill exchange system, enabling users to barter services instead of using monetary payments.
- Designed and secured JWT-based user authentication and role-based access for users, clients, and admins.
- Integrated Stripe/PayPal payment gateways and managed transactional workflows via the admin panel.
- Built reusable Redux-based state management and RESTful APIs for efficient data handling and component interaction.
- Led deployment using Docker & AWS EC2, with CI/CD setup via GitHub Actions.
- Collaborated with a cross-functional team following Agile methodology; handled both frontend and backend integration.
- Implemented User authentication, payment integration and role-based access control.

Certifications

- **Build Dynamic User Interfaces (UI) for Websites:** Coursera
- **Introduction to Back-End Development:** Coursera (Meta)
- **(Google)**
- **Introduction to Software Engineering:** Coursera (IBM)