

CHANDANA TANTANAPALLY

Full Stack Developer | Azure services | React.js | React Native | Python | AI Engineering

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PROFESSIONAL SUMMARY

Full-Stack Developer experienced in building scalable web and mobile applications using React.js, Next.js, React Native, TypeScript, Python, FastAPI, and Node.js. Skilled in full-stack development, REST APIs, databases, cloud deployment, authentication, and DevOps practices, with hands-on experience in Microsoft Azure and AI technologies including LLMs, RAG, and Prompt Engineering. Focused on developing scalable, secure, and maintainable software solutions.

TECHNICAL SKILLS

Programming Languages:

Python, JavaScript (ES6+), TypeScript, SQL

Web & Mobile Development:

React.js, Next.js, React Native, Angular, HTML5, CSS3, Tailwind CSS, Bootstrap, Expo

Backend & APIs:

Node.js, Express.js, FastAPI, REST APIs, JWT Authentication, Role-Based Access Control, API Integration

Databases:

MongoDB, MongoDB Atlas, PostgreSQL, MySQL, SQL

Cloud & DevOps:

Microsoft Azure, Azure App Services, Azure Storage, Azure AI Services, Azure DevOps, Git, GitHub, CI/CD

Artificial Intelligence:

Large Language Models (LLMs), Prompt Engineering, Retrieval-Augmented Generation (RAG), AI API Integration, Claude API, GitHub Copilot

Development Practices:

Agile Development, Responsive Design, Debugging, Performance Optimization, Secure Coding, Software Testing, Version Control

Tools & Platforms:

Visual Studio Code, Postman, Firebase, Vercel, Netlify, Android Studio

PROFESSIONAL EXPERIENCE

Full Stack Developer

Jan 2026 – Present

Smart Growth Digital Marketing

- Engineered scalable web and mobile applications using React.js, Next.js, React Native, TypeScript, Node.js, Express.js, and MongoDB.
- Crafted responsive, SEO-friendly web interfaces and cross-platform mobile experiences using reusable components, Tailwind CSS, and modern UI development practices.
- Architected secure REST APIs and Fast API, authentication workflows, and third-party integrations including payment gateways, email services, cloud platforms, and external APIs.
- Integrated mobile applications with backend services and REST APIs, implementing reliable data flows and authentication across web and mobile platforms.
- Partnered with designers and stakeholders to translate business requirements into maintainable, scalable solutions while following Agile development practices.
- Enhanced application reliability, performance, accessibility, and security through systematic debugging, code refactoring, testing, and engineering best practices.
- Released and managed production applications on Vercel and cloud platforms using Git, CI/CD workflows, and structured version-control practices.

Full Stack Developer

Jun 2025 – Jan 2026

Resomax Technologies

- Engineered responsive full-stack web applications using React.js, Next.js, TypeScript, JavaScript, HTML5, CSS3, and Tailwind CSS.
- Implemented RESTful backend services with Node.js and Express.js, integrating MongoDB for efficient data management and scalable application workflows.
- Translated business requirements into reusable UI components and maintainable application features while following modern frontend engineering practices.
- Strengthened application performance and reliability through systematic debugging, refactoring, error handling, and frontend optimization.
- Implemented secure authentication and API communication workflows, ensuring reliable data exchange between frontend and backend services.
- Applied AI-assisted development tools to accelerate coding, documentation, testing, debugging, and code quality improvements.

- Contributed to code reviews, production issue resolution, feature enhancements, and application maintenance within Agile and Git-based development workflows.

Angular Full Stack Developer Intern

Feb 2025 – May 2025

Dr. Reddy's Foundation

- Developed responsive Angular applications using TypeScript, HTML, CSS, and Bootstrap.
- Integrated frontend modules with backend REST APIs and implemented CRUD operations using modern development practices.
- Performed API testing, debugging, form validation, and Git-based version control throughout the development lifecycle.
- Worked in Agile environments while collaborating with mentors and team members to deliver project milestones.

Technical Career Consultant

Jul 2024 – Jan 2025

Datics

- Guided students on software development, programming fundamentals, technical interview preparation, and resume development.
- Conducted technical mentoring sessions focused on Java, Python, web technologies, databases, and problem-solving techniques.

PROJECTS

AI-Powered Recruitment Platform

- Developed a role-based recruitment platform using React.js, Next.js, TypeScript, FastAPI, PostgreSQL, and REST APIs.
- Implemented secure authentication with OTP verification, JWT authorization, and role-based access control.
- Integrated AI-powered candidate matching using LLM APIs, Prompt Engineering, Retrieval-Augmented Generation (RAG), and semantic search.
- Engineered structured backend services with database integration, validation, error handling, and scalable API architecture.

Cross-Platform Mobile Application

- Built a cross-platform mobile application using React Native, Expo, TypeScript, and REST APIs for managing application workflows.
- Implemented authentication, navigation, API integration, state management, and reusable mobile UI components.
- Connected mobile interfaces with backend services to enable secure data exchange and reliable application workflows.
- Enhanced usability through responsive layouts, structured navigation, error handling, and performance-focused development.

Full-Stack Service Booking Platform

- Engineered a full-stack service booking platform using React.js, Node.js, Express.js, MongoDB, and REST APIs.
- Implemented authentication, service management, booking workflows, CRUD operations, and responsive user interfaces.
- Developed reusable frontend components and backend services with structured validation and database integration.
- Improved application reliability through debugging, refactoring, API optimization, and production-focused engineering practices.

AI Knowledge Assistant

- Built an AI-powered knowledge assistant using Python, FastAPI, LLM APIs, embeddings, and Retrieval-Augmented Generation (RAG).
- Implemented document ingestion, text chunking, embedding generation, semantic retrieval, and context-aware response generation.
- Designed REST APIs for document processing and conversational queries with structured validation and error handling.
- Enhanced response relevance through retrieval strategies, Prompt Engineering, and context-aware generation workflows.

EDUCATION

Bachelor of Technology (B.Tech) in Computer Science and Engineering

2020 – 2024

Vignan Institute of Technology and Science (JNTUH)

Relevant Coursework: Data Structures, Algorithms, Database Management Systems, Operating Systems, Computer Networks, Object-Oriented Programming, Software Engineering

CERTIFICATIONS

- Python Programming — Cisco
- Cloud Computing — NPTEL
- MEAN Stack Development — Dr. Reddy's Foundation