CHARAN TEJA GATTU

SOFTWARE ENGINEER

9000088564 | charantejagattu3@gmail.com | Hyderabad, India

SKILLS

Programming Languages:
JavaScript/TypeScript | Python | C# | HTML5 | CSS3

Frontend Development:
React.js | Angular | Bootstrap | Material UI | Tailwind CSS | jQuery | Redux/NgRx (State Management) | HTML5/CSS3

Backend Development:
Node.js | Express.js | .NET Core | ASP.NET Web API | Python FastAPI | Flask

Database Technologies:
MongoDB | Microsoft SQL Server (MSSQL) | Database Design & Optimization | SQL/NoSQL Query Languages

Cloud & Deployment:
Cloud Platform (AWS/Azure) | Version Control (Git)

Authentication & Security:
JWT Authentication | OAuth | Email Verification | SMTP Integration | API Security

Development Tools & Methodologies:
Visual Studio | VS Code | Postman/Swagger | npm/yarn | REST API Design | Agile/Scrum | Version Control (Git)

Web Development Concepts:
Responsive Design | Progressive Web Apps (PWA) | Web Security (CORS, XSS, CSRF) | API Integration | Performance Optimization | Browser Developer Tools

CAREER OBJECTIVE

As a highly skilled and versatile full-stack engineer, I aim to leverage my comprehensive expertise in programming languages, frontend and backend development, database technologies, cloud deployment, authentication and security, and development tools and methodologies to deliver innovative and efficient web solutions. My goal is to contribute to a dynamic team where I can utilize my proficiency in JavaScript/TypeScript, Python, C#, HTML5, CSS3, and frameworks such as React.js, Angular, and Node.js to create responsive, secure, and high-performance applications. I am committed to continuous learning and staying updated with the latest technologies to drive excellence in web development and contribute to the success of the organization.

WORK EXPERIENCE

Role: Full Stack Developer
Duration: May 2024 - Present

Responsibilities:

- Actively developing and maintaining enterprise-level applications using React and FastAPI, contributing to full-stack development initiatives.
- Collaborating with cross-functional teams to implement robust frontend solutions using React, focusing on component reusability, state management, and responsive design patterns.
- Engineering scalable backend services using FastAPI, implementing RESTful endpoints, and ensuring optimal database interactions.
- Participating in agile development cycles, including sprint planning, daily stand-ups, and retrospectives, consistently meeting project deadlines and quality standards.
- Contributing to code reviews, technical documentation, and knowledge sharing sessions to promote best practices within the team.

PROJECTS

AI-Agent-Incubator-Month Hackathon - KYC Risk Agent System

Developed during: AI-Agent-Incubator-Month Hackathon program, April 2025

Project Overview: Created an innovative multi-agent AI system to automate and enhance the Know Your Customer (KYC) process, ensuring regulatory compliance and evaluating customer risk.

Responsibilities:

- Led the development and architecture of the KYC Risk Agent System.
- Designed and implemented backend services and API integrations.
- Developed AI models for document processing and risk assessment.

Technologies Used: FastAPI, Azure Services (OpenAI, AI Foundry, Functions, Cosmos DB, Storage, Logic Apps), Python.

Key Achievements:

- Automated document verification and risk assessment processes.
- Enhanced regulatory compliance checking through real-time verification against global regulatory requirements.
- Reduced manual verification overhead and minimized compliance risks for financial institutions.

Real Estate Platform Project

Role: Full Stack Developer
Year: 2024

Project Overview: Architected and developed a comprehensive real estate marketplace application using the MERN (MongoDB, Express.js, React.js, Node.js) stack, enabling users to list, buy, sell, and rent properties through an intuitive interface.

Responsibilities:

- Implemented robust user authentication using JWT tokens and enhanced security through email verification with OTP delivery via SMTP integration, resulting in a 100% verified user base.
- Designed and developed RESTful APIs with Express.js to handle complex CRUD operations, managing property listings, user profiles, and transaction data in MongoDB with efficient data modelling practices.

Optimized Application Performance:

- Implementation of lazy loading for image-heavy property listings.
- Database indexing for faster query execution.
- Client-side caching strategies to reduce server load.
- API response compression to minimize data transfer.
- Implemented pagination for property listings to improve load times.

Deployment: Utilized cloud services for deployment, ensuring high availability and scalability while maintaining optimal performance under varying user loads.

Financial Trading Platform

Project Overview: Developed a comprehensive financial trading platform with a robust backend architecture and an intuitive web application for market analysis and trading strategies.

Responsibilities:

- Utilized Python frameworks FastAPI for creating scalable and efficient backend services.
- Implemented MongoDB and Microsoft SQL Server for data storage and retrieval.
- Deployed applications on Azure with CI/CD pipelines for continuous integration and delivery.
- Ensured secure access with JWT Authentication, OAuth, and API security measures.

- Designed RESTful APIs for strategy management, back testing, deployment, and market data handling.
- Developed services for strategy management, back testing, market data handling, and performance analysis.
- Created custom indicators and utility functions for data processing and financial calculations.
- Conducted unit and integration tests to ensure reliability and performance.

Key Features:

- Strategy creation and deployment.
- Dynamic strategy list with pagination.
- User authentication and profile management.
- Interactive strategy cards.
- Real-time market data integration.

Optimized Data Architecture:

- Zustand for state management.
- Implemented RESTful APIs for seamless communication, caching, background services, and query optimization.
- Enhanced performance with lazy loading, state management, client-side caching, and code splitting.
- Integrated security with JWT, OAuth, input validation, and XSS/CORS protection.

CYBER AWARENESS CAMPAIGN VOLUNTEER

Led educational sessions for students on cybersecurity awareness, effectively communicating complex security concepts in an accessible manner.
Developed and delivered presentations on critical topics including:
- Social media safety and privacy settings
- Online fraud prevention techniques
- Phishing attack identification
- Safe browsing practices
- Password security and management