ANIL KUMAR MUTYALA

anilmutyala516@gmail.com | +91 9347558332 | LinkedIn Profile | GitHub Profile

PROFESIONAL SUMMARY

Backend Developer with strong experience in designing and **building scalable, automation-driven backend systems** and **RESTful APIs** using **Node.js, Express.js,** and **MongoDB**. Proven expertise in **Web3 automation**, trading bots, and **blockchain integrations**, including DEX interactions and liquidity pool management. Skilled in handling high-frequency transactions, background jobs, concurrency, and fault-tolerant system design. Passionate about building reliable backend systems for real-world, production-grade applications.

TECHNICAL SKILLS

- **Backend:** Node.js, Express.js, RESTful APIs, JWT Authentication, Role-Based Access Control, Background Jobs, Queue-Based Processing, Concurrency Handling, Retry & Backoff Strategies
- **Frontend** : React.js, JavaScript
- **Database:** MongoDB (Mongoose), MySQL, Schema Design, Query Optimization.
- **Blockchain / Web3**: Solana Web3.js, Raydium SDK, DEX Integration, Wallet Management, On-chain Transaction Automation
- **Tools & Cloud:** Git, CI/CD, Postman, VS Code.

PROFESSIONAL EXPERIENCE

Senior Software Developer
String Metaverse Pvt Ltd | August 2023 – Present

- Developed and maintained backend services to support **internal financial, operational, and Web3 game workflows** using scalable, modular architecture.
- Built and optimized APIs and dashboards to track **partner pay-outs, in-game transactions, and operational metrics** with real-time data visibility.
- Worked with large datasets to ensure accurate **transaction processing for both business operations and game-related activities**, including rewards and user progression.
- Collaborated with product, operations, and engineering teams to translate business and **Web3 gaming requirements** into reliable backend solutions.

KEY PROJECTS

Game Backend Systems (Car Racing & Tetris Games)
Node.js, Express.js, MongoDB

- Developed scalable backend services for **multiple casual games (Car Racing and Tetris)**, handling player sessions, gameplay state, scoring, rewards, and progression logic.
- Designed and implemented secure **RESTful APIs** for game actions, score tracking, leader boards, and user state management.
- Built **JWT-based authentication** and **role-based access control** for admin operations and game configuration.
- Optimized MongoDB schemas and queries to support **high-frequency gameplay events** and real-time reward calculations.
- Focused on **low-latency API responses** to ensure smooth, responsive gameplay experiences for concurrent users.

Web3 Trading, Market-Making & Liquidity Automation Platform
Node.js, MongoDB, Solana Web3.js, Raydium SDK, Blockchain SDKs

- Built a **production-grade Web3 backend platform** for automated trading, market-making, liquidity pool management, and DEX analytics using Node.js, MongoDB, and Solana Web3 tools.
- Engineered **fault-tolerant, queue-based on-chain transaction execution** with retries, backoff, and validation to handle high-volatility and high-frequency blockchain operations.
- Designed secure systems for **wallet management, role-based access control, and large-scale financial data processing**, enabling automated decision-making with minimal manual intervention.

EDUCATION

- **Bachelor Of Technology | Mandava Institute Of Engineering & Technology | Apr 2017 - Jul 2021 | CGPA: 7.01**