Zubaid Ahmed Zia
Backend & Blockchain Engineer

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TECHNICAL SKILLS

Languages: JavaScript / TypeScript / Solidity / Rust(Anchor)

Backend: Node.js · Express · REST APIs · OpenAPI · Zod · Jest

Databases: MongoDB · Redis · Elasticsearch

DevOps & Infra: Docker · Docker Compose · PM2 · AWS EC2 · Nginx · CI/CD (GitHub Actions)

Monitoring & Security: Prometheus · JWT · Loggers · Rate Limiting · CORS

Blockchain: Solidity · Hardhat · Foundry · Ethers.js · Anchor (Solana) · ERCs & EIPs · DeFi · Tokenomics Design · Smart Contract Auditing

EXPERIENCE

Viral Vind Technologies., - *Backend & Blockchain Engineer*

JULY 2025 - PRESENT

Grand Gangsta City (PC Game) — Architected TypeScript + Express backend serving hundreds of concurrent users; achieved **35 % lower latency** via Redis caching and optimized query pipelines.

- Implemented **SIWE (EIP-4361)** wallet authentication with RS256 JWT rotation and device ID binding, reducing account abuse and fake users.
- Containerized the stack with Docker Compose; automated zero-downtime releases to **AWS EC2** via GitHub Actions CI/CD.
- Added **Prometheus metrics**, health/readiness probes, and structured logging.
- Collaborated with the Game Developers to integrate APIs.

Westland Arena (Zombie Shooter - Mobile Game) - Architected **TypeScript** + **Express** backend supporting **1K+ concurrent mobile players** with secure gameplay APIs and session management.

- Deployed production backend on **AWS EC2**, running **MongoDB in Docker** and the Node.js API under **PM2** for process management and stability
- Implemented **gasless NFT minting and burning APIs** using **Account Abstraction (ERC-4337)**, enabling seamless on-chain rewards for in-game achievements.
- Launched the **GGC token** (Coingecko) — built **vesting and airdrop smart contracts**, designed full **tokenomics**, and led **MEXC exchange listing**, reaching a **peak market cap of ~$4M and 10K+ holders**.

DeBlockX, - *Founding Software Engineer*

MAY 2024 - JUNE 2025

- Designed modular backend services for **[DALXY](https://dalxy.com/)**, a Web3 analytics platform processing **hundreds of on-chain events daily**.
- Built REST APIs and Implemented event listeners and webhook monitoring pipelines for real-time on-chain updates.
- Built and deployed **production-grade EVM and Solana smart contracts**, including bonding-curve tokens and vesting logic with exploit-resistant design.
- Led all backend and blockchain development for 6+ months as the **sole technical engineer**, defining CI/CD pipelines, monitoring, and deployment strategy.

Cubix Global Inc., - *Blockchain & Backend Developer (Hybrid / Part-Time)*

JANUARY 2025 - JUNE 2025

- Wrote **TypeScript-based Node.js scripts** to test and validate backend implementations for the **ERC-712 signing flow**, improving contract-API integration reliability.
- Developed **automated Solana test programs** using TypeScript to validate smart-contract functionality and transaction consistency.
- **Led a team of 3 engineers** in integrating **Solana programs** and **EVM smart contracts**, ensuring smooth cross-chain interoperability across backend services.

Cubix Global Inc., - *Assistant Software Engineer*

APRIL 2022 - MAY 2024

- Developed and audited EVM smart contracts, applying security-focused coding practices
- Delivered secure REST APIs with JWT auth and validation middleware
- Automated tests (Mocha/Chai) achieving reduced production bugs.
- Improved query performance by 30% through **MongoDB indexing** and **Elasticsearch** integration.
- Managed services with PM2 for stability under high traffic

PROJECTS

Grand Gangsta City (https://grandgangstacity.com/)

Westland Arena (Zombie Shooter)
(https://play.google.com/store/apps/details?id=com.vvstudios.westlandgangsta&hl=en)

WAGMI GAMES (https://www.wagmigames.com/en)

Dominoes (https://www.dewskill2earn.com/)

Buy Router Switch (https://buyrouterswitch.com/)

HPL Games (https://www.hplgames.com/)

DALXY (https://dalxy.com/)

Puffer Squad (https://opensea.io/collection/puffersquad)
SamsSports (https://samsports.io/)

EDUCATION

Bachelor of Computer Science *- University of Karachi*
2022

SOFT SKILLS

Ownership · Collaboration · Time Management · Problem Solving · Clear Communication

HONORS & ACHIEVEMENTS

- Delivered production-grade backends for two published games (2K+ total players).
- Recognized for maintaining >99.9% backend uptime during active player seasons.
- Employee of the quarter award from Cubix Global Inc.

CERTIFICATIONS

FinTech: Foundations & Applications of Financial Technology (*University of Pennsylvania – Online*)

Blockchain Essentials *(IBM Cognitive Class / Developer Skills Network)*