

TANVEER KHAN

Blockchain & Backend Engineer | Solana & Node.js

Karachi, Pakistan | Open to Relocation
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LinkedIn | GitHub | Portfolio | Twitter

PROFESSIONAL SUMMARY

Blockchain & Backend Engineer with 4 years of full-stack development experience, specializing in Solana program development and production Node.js backends. Architected and deployed 4+ Solana programs to mainnet across gaming and DeFi, and built the off-chain services and TypeScript SDKs around them. Solana Hackathon winner (\$100K prize pool) with the Honeycomb Protocol team. Backend work spans REST and GraphQL APIs, PostgreSQL and MongoDB data models, job queues, CI/CD, and cloud migration.

TECHNICAL SKILLS

Languages: Rust, TypeScript, JavaScript, SQL

Blockchain: Solana, Anchor Framework, Smart Contracts, PDAs, CPIs, Metaplex, Bubblegum, Token Programs, Borsh Serialization

Backend: Node.js, Express.js, Fastify, NestJS, REST APIs, GraphQL (Schema Design, Resolvers), WebSockets

Databases: PostgreSQL, MongoDB (Aggregation Pipelines), Prisma ORM, Redis, BullMQ

DevOps & Cloud: Docker, CI/CD Pipelines, GitHub Actions, GCP, AWS (EC2, S3), DigitalOcean, Vercel

Architecture: Microservices, Monorepo, SDK Development, CLI Tools

Observability: Monitoring, Logging, Prometheus

Practices: Git, Linux, Technical Documentation, Code Review, Agile/Scrum, TDD, Jest

PROFESSIONAL EXPERIENCE

Solana & Backend Engineer

Tumi Labs | Hybrid (Dubai-based) | Sep 2023 – Present

- Architected and deployed the Solana smart contract for the ProLeague competitive gaming platform, covering tournament creation, player entry management, and automated prize distribution for 500+ users
- Developed a TypeScript SDK for ProLeague contract interactions, giving frontend teams a typed integration surface
- Implemented mission completion logic and reward calculation for Honeycomb Protocol, defining player incentive mechanics
- Contributed to a Solana Hackathon winning submission (\$100K prize pool) as part of the Honeycomb Protocol team
- Built and maintained Node.js/TypeScript backend services for the GameShift platform, serving 2,500+ registered users and 150+ integrated games
- Integrated BullMQ job queues for background task processing, moving heavy work off the request path and improving response times
- Established CI/CD pipelines on GCP and DigitalOcean for staging deployments, increasing team deployment velocity
- Migrated 2 production droplets from DigitalOcean to GCP instances, reducing downtime and improving infrastructure reliability
- Mentored a frontend developer on API integration patterns and backend best practices

MERN Stack Engineer

Jumppace | Karachi, Pakistan | Dec 2022 – Sep 2023

- Delivered 6+ backend systems for mobile applications across e-commerce, dating, and gaming, using Node.js, Express, and GraphQL
- Designed and implemented REST APIs and GraphQL endpoints consumed by Flutter mobile clients
- Modeled and queried PostgreSQL and MongoDB datastores, tuning schemas and queries per product needs
- Built React.js admin dashboards for client management and analytics

MERN Stack Engineer

SoftSyncDev | Karachi, Pakistan | Apr 2022 – Dec 2022

- Developed full-stack web applications and mobile app backends on the MERN stack
- Built REST APIs and integrated third-party services across multiple client projects
- Collaborated with cross-functional teams to deliver projects on schedule

Junior MERN Engineer

Xomacs | Karachi, Pakistan | Jan 2022 – Apr 2022

- Developed a COVID-19 tracking web application using the MERN stack
- Implemented backend API endpoints and frontend components

OPEN SOURCE CONTRIBUTIONS

godot-solana-sdk | [GitHub](#)

- Merged PR adding Honeycomb Protocol support to the Godot game engine SDK for Solana integration

Backend-Template | [GitHub](#) | 36+ stars

- Created a Node.js backend template with a standardized project structure, adopted by other developers

Medium Publication

- Published an article on DePIN infrastructure opportunities: [DePIN in Pakistan](#)

EDUCATION

Bachelor of Science, Computer Science

Benazir Bhutto Shaheed University, Lyari | 2020 – 2023