CTO / Technical Architect

1) About TRXBE

Welcome to TRXBE! TRXBE is a pre-revenue, pre-funding, social-music startup with a functional app that is ready for beta-testing. You can learn more at https://trxbe.co.

On TRXBE, every interaction begins with the music you love. This allows TRXBE to sidestep the toxicity that defines so much of the online world. There are no algorithms pushing outrage, no incentives for argument—just the timeless human impulse to form connections with people who love the same music that you do. In an era of division, TRXBE is a simple, hopeful idea: music as the thread that unites us.

2) Job Summary

The **CTO / Technical Architect** will serve as TRXBE's senior technical leader—responsible for defining the platform architecture, guiding technical strategy, and overseeing engineering execution from beta to launch and beyond. This role blends hands-on development with high-level technical leadership, ensuring that TRXBE's product is scalable, secure, and highly performant.

You'll collaborate directly with TRXBE's Founder to shape the technical roadmap and make key decisions around architecture, infrastructure, and integrations. The ideal candidate is a builder with strong engineering fundamentals and full-stack experience.

Key Responsibilities

- Define and maintain TRXBE's overall technical architecture, ensuring scalability, performance, and security across all systems.

- Lead code reviews, mentoring, quality-assurance, and technical guidance.

- Build and optimize backend services and APIs using Node.js, Express.js, and TypeScript, with PostgreSQL (Neon serverless) and Drizzle ORM as the foundation.

- Oversee frontend architecture and ensure best practices in React 18+, TypeScript, TailwindCSS, and modern state management.

- Manage integrations with external APIs (Spotify Web API, Firebase, Google Cloud, Meta Graph, TikTok, and others).

- Establish DevOps processes, CI/CD pipelines, and infrastructure automation for smooth, reliable deployments.

- Implement and monitor data security, authentication, and user privacy best practices using Firebase SDK, Passport.js, Helmet, and related libraries.

- Develop and enforce coding standards, documentation protocols, and quality assurance processes.

- Collaborate with Product and Growth teams to support experimentation, analytics, and community-safety tooling.

- Prepare the technical foundation for investor readiness - ensuring code quality, infrastructure transparency, and scalability benchmarks.

3) Required Skills

- Advanced proficiency in Node.js, Express.js, TypeScript, and React ecosystems.

- Strong architectural design and technical leadership experience—able to evaluate tradeoffs and make clear, strategic technical decisions.

- Hands-on experience with PostgreSQL, Drizzle ORM, and serverless infrastructure (Neon, Firebase, or similar).

- Familiarity with real-time systems (Socket.IO) and cloud infrastructure (Google Cloud, AWS, or similar).

- Deep understanding of authentication, data security, and API design, including OAuth flows and rate-limiting strategies.

- Knowledge of CI/CD, containerization (Docker), and modern DevOps practices.

- Comfort managing both frontend and backend pipelines, ensuring seamless communication between teams.

- Excellent collaboration and communication skills—able to work closely with product, design, and growth teams.

- Strategic mindset for scaling from MVP to a multi-user platform without accruing technical debt.

4) Qualifications

- 7+ years of professional software development experience, including 3+ years in technical leadership or architectural roles.

- Proven success leading small engineering teams in early-stage startup environments.

- Demonstrated ability to architect, build, and ship production-grade applications using modern full-stack frameworks.

- Experience integrating multiple third-party APIs and optimizing for scalability and security.

- Bachelor's degree in Computer Science, Software Engineering, or equivalent practical experience.

- Passion for music, culture, and social technology.

- Belief in TRXBE's vision that music can be a genuine force for connection in a divided digital world.

5) Additional Details

Location: Hybrid role with 1-2 in-office days per week in downtown-Atlanta.

Compensation: TRXBE is a pre-funding startup; compensation will be equity-based until capital is raised. This role offers the opportunity to join the founding team and help shape both the product and TRXBE's long-term success.

How to Apply: Thank you for your interest in TRXBE. I look forward to hearing from you and learning why you think you are the right person for this role. Please send a cover letter and resume to **howard@trxbe.co**

Availability: You should have a minimum of 20 hours a week to dedicate to TRXBE.