



# Chief Technology Officer (CTO) & Co-Founder

**Location:** Remote. Washington, DC or New York preferred. (U.S. Citizenship Required)

**Type:** Co-Founder / Full-Time

**Company:** Transcend

## About Transcend

Transcend is the AI platform for strategic, non-kinetic decision support in the world's toughest conflict and risk environments. We combine curated data, retrieval-augmented generation (RAG), custom schema, and multi-agent, agentic AI to deliver real-time conflict analysis, scenario planning, and decision options to governments, multilaterals, and companies operating in fragile settings.

Our architecture pairs React on the front end, FastAPI on the back end, and a fully cloud-native ecosystem on AWS (S3, Lambda, Bedrock, IAM). We are building toward a scalable, secure, and extensible platform capable of integrating multi-agent collaboration, daily refreshed data pipelines, and high-fidelity strategic analysis for users in diplomacy, defense, and commercial risk.

We are redefining how peace is made—by building AI that accelerates insight, reduces risk, and strengthens the world's ability to act wisely at moments of consequence.

## The Role

We are seeking an exceptional CTO & Co-Founder who can lead Transcend's full technical vision—from foundation to scale. This role is for a builder who can architect complex systems, work hands-on across the stack, implement secure and resilient cloud infrastructure, and guide the engineering team as we grow.

You will be a core partner in steering strategy, shaping product, and bringing to life a world-class agentic AI platform that governments and global institutions can trust.

This role requires someone who can operate at the intersection of:

- **Deep technical expertise**
- **Rapid startup execution**
- **Cloud-native, scalable architecture**
- **High-integrity mission in peace, security, and risk**

If you are excited by building from 0 → 1 → scale, and you want your work to have global impact, this is for you.

# Key Responsibilities

## Technical Vision & Leadership

- Own and evolve Transcend's end-to-end technical strategy, architecture, and infrastructure.
- Set near-term and long-term technical priorities aligned with product and business goals.
- Build the multi-agent architecture enabling RAG, orchestration, retrieval, simulation, and sophisticated analytic workflows.
- Translate the needs of peacebuilders, diplomats, analysts, and decision-makers into technical direction and scalable products.

## Systems Architecture & Platform Development

- Architect a cloud-native platform in AWS that is secure, scalable, fault-tolerant, and compliant with emerging gov-cloud requirements.
- Scale a system that integrates billions of data points, embeddings, retrieval systems, and agentic flows.
- Lead development across backend (FastAPI), front-end (React), model integration, APIs, and data pipelines.
- Design and maintain a daily data-refresh cycle for curated and open-source structured/unstructured data.

## Hands-On Engineering

- Write production-level code across services, infrastructure, orchestration, and integration layers.
- Build and optimize LLM-based pipelines (RAG, embeddings, knowledge graphs, agent orchestration, scenario generators).
- Oversee CI/CD, dev environments, testing frameworks, and release processes.

## Security & Compliance

- Implement best-in-class security for government customers (IAM, VPC design, access controls, data governance).
- Build toward future compliance requirements (FedRAMP readiness, data segregation, auditability).

## Team Building & Leadership

- Hire, mentor, and lead a high-performing engineering team as we scale.
- Establish engineering culture, coding standards, and cross-team collaboration norms.
- Coach junior and mid-level engineers, empowering autonomy while upholding rigor.

## Cross-Functional Collaboration

- Work closely with the CEO, peace and security strategists, ML engineers, and product to translate real-world needs into technical systems.
- Engage with customers (government, multilaterals, private sector) to understand requirements and demonstrate capabilities.
- Play an active role in investor conversations, demos, technical diligence, and fundraising.

## R&D & Innovation

- Continuously evaluate emerging frameworks (LangChain, Hugging Face, AutoGen, Swarm, MCP/ACP).
- Lead experiments that improve speed, accuracy, reliability, and safety of agentic decision support.
- Build layered LLM systems that are transparent, auditable, and aligned with mission-driven constraints.

## Qualifications

### Required

- U.S. Citizenship.
- 7–12+ years of software engineering or ML engineering experience, including experience in senior/lead roles.
- Demonstrated ability to architect, build, and scale cloud-native systems in AWS (S3, Lambda, IAM, VPC design, Bedrock, etc.).
- Prior startup experience (founding team, early engineer, or similar high-ambiguity environment).
- Proficiency in Python and familiarity with FastAPI or other modern backend frameworks.
- Hands-on experience building LLM-integrated systems, RAG pipelines, multi-agent architectures, or adjacent AI infrastructure.
- Strong understanding of modern MLOps tooling, embeddings, vector stores, and model deployment workflows.

- Proven ability to ship production features and oversee secure, stable deployments.
- Ability to communicate technical concepts to both technical and non-technical audiences.

## Preferred

- Experience with React, Next.js, or full-stack engineering.
- Experience designing systems for high-risk or regulated environments (defense, government, financial, humanitarian, etc.).
- Experience scaling a SaaS platform to enterprise or government clients.
- Background or interest in peacebuilding, security, diplomacy, or geopolitical risk.
- Experience with orchestration frameworks, multi-agent systems, or emerging AI protocols.
- Master's or PhD in CS, Machine Learning, Engineering, or related field (not required).

## What We Offer

- Co-Founder role with meaningful equity.
- An opportunity to architect a new category: agentic AI for peace, security, and risk.
- A mission-driven environment where your work influences global decisions.
- A close, collaborative founding team where your voice shapes the company's trajectory.
- Rapid growth opportunities as the company scales across government and global institutions.

## How to Apply

Please send your resume, a short note about why you're interested, and links to:

- Your GitHub or portfolio
- Any relevant technical writing or demos

Email: [team@missiontranscend.ai](mailto:team@missiontranscend.ai)