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Dear Hiring Team,

I hope you are doing well. I am excited to apply for the **AI Engineer (TypeScript)** role at **Zenbase**. At **PersanaAI**, I led the development of our flagship AI agent that integrated LLMs with RAG pipelines with reasoning layers to extract insights and build narratives on enterprise customer data, processing over **20 million external requests** each month. I built production-grade features across the stack using **TypeScript**, **Node.js**, **Python**, and **Next.js**, with a focus on reliability, performance, and cost efficiency.

I have extensive experience working with **advanced TypeScript**, including type-level programming, modular architecture design, and functional patterns for building scalable, maintainable applications. I have used TypeScript not just for APIs and UIs, but also to develop internal tools that support debugging, profiling, and rapid experimentation in production. My background includes deploying LLM applications end to end, designing evaluation workflows, optimizing token usage, and improving overall agent performance in real-world settings. My contributions extended beyond code to include leading our **SOC 2 Type 1** compliance and reducing infra overhead.

Working in early-stage teams has helped me develop a bias for shipping fast while maintaining long-term quality. I enjoy bridging AI and engineering, especially in contexts that demand thoughtful abstractions, real impact, and ownership.

Core Competencies:

- LLM-based application development with RAG and evaluation workflows
- Full-stack experience with TypeScript, Node.js, Next.js, and Python
- AI integration, cost and performance optimization, token efficiency
- Building internal tools for debugging, runtime validation, and testing
- Security and infrastructure ownership (SOC 2 Type 1, observability)

Zenbase's mission to build developer-first AI infrastructure strongly aligns with my background. I would love to contribute my experience in scalable TypeScript engineering and AI agent design to your team.

Job Description: <https://www.workatastartup.com/jobs/75967>

Warm regards,
Nikhilesh Yadav