FRONTIER

Founding Senior Back-End & Full-Stack Engineer

Company Overview |

Frontier is on a mission to make hundreds of millions of critical frontline workers superhuman through a hardware and software "wearable". The company headquartered in Chicago and in stealth mode. Frontier has multimillion dollar contracts with the U.S. Department of Defense (including Special Operations) and has raised funding from tier 1 investors, including the first investor in Oculus (AR/VR company sold to Meta). The company has more than 10 of the most critical U.S. companies as customers, including the largest U.S. steel company and two of the top five U.S. airlines. It has an extremely talented and ambitious team.

Job Description |

Frontier is looking for extremely smart and hardworking Founding Senor Back-End and Full-Stack Software Engineer who wants to do the most important work of their life. The selected individual will own huge parts of Frontier's voice platform (that lives on a "wearable") and their work will have extreme impact on the productivity, safety, and comfort of the critical frontline workers and warfighters powering and protecting the world. Being scrappy, resourceful, and flexible is critical to this role and it is 100% in-person in Chicago (Frontier will provide relocation assistance (along with significant equity and cash compensation)).

This role is ideal for someone who wants to (1) be a cornerstone member of a rapidly growing team and (2) iterate quickly on the cutting edge.

Responsibilities |

- Design and build cloud micro-services for auth, device management, user data, and secure data ingest using REST or gRPC.
- Expose clean APIs for client applications and internal services; own the OpenAPI/Protobuf contracts, versioning strategy, and backward-compatibility guarantees.
- Implement real-time communication endpoints (WebSocket / streaming gRPC) and low-latency media relays for voice and messaging.
- Ingest and index transcripts & events into a vector database so language-model services can retrieve them in near real-time.
- Automate infrastructure with Terraform or CDK, containerise services with Docker, and deploy to Kubernetes/EKS/Fargate (or similar) with health checks and autoscaling.
- Own observability and security—set up metrics dashboards, alerts, and audit logs; implement OAuth/OIDC token flows, key rotation, and role-based access.
- Integrate external SaaS platforms (e.g., Teams, Procore) via webhooks or polling adapters; normalise data into internal schemas.

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Actively hiring. Email resume and "portfolio" to pmoeckel@frontieraudio.com.

Qualifications |

Required

- 2 + years building back-end services in Go, Rust, TypeScript/Node, or Python, with production deployments behind an API gateway.
- Proficient in PostgreSQL (or MySQL) schema design, migrations, and query optimisation; comfortable adding Redis or another cache.
- Familiar with container orchestration (Docker Compose, Kubernetes/EKS/GKE, or serverless Fargate/Cloud Run) and CI/CD pipelines.
- Working knowledge of OAuth 2.0 / OIDC, JWT validation, and standard security practices (rate-limiting, secret management).
- Experience implementing real-time transports (WebSocket, SSE, or gRPC streaming) or message queues (Kafka, NATS, SQS).
- Must have ability to be qualified to work in the U.S. in less than 3 months and have no restrictions for international travel
- Ability to commute to Frontier's Chicago office daily (relocation support in offer)

Preferred

- Prior work on voice relay, VoIP, or large fan-out messaging systems with strict latency targets.
- Hands-on with vector databases (pgvector, Pinecone, Milvus) or retrieval-augmented generation pipelines.
- Familiarity with React/Next.js (or similar) to build or extend lightweight admin dashboards.
- Exposure to infrastructure cost monitoring and automated scaling/pod-budget policies.
- Open-source contributions or technical blog posts detailing performance or reliability improvements.

Frontier Audio Labs evaluates qualified applicants without regard to race, color, religion, sex, sexual orientation, gender identity, genetic information, national origin, age, disability, veteran status, or any other legally protected characteristics.

All inquiries should be directed to pmoeckel@frontieraudio.com with your portfolio and resume.