



Back End & Full Stack Software Engineer

Company Overview |

Frontier is on a mission to make hundreds of millions of critical frontline workers superhuman through a hardware and software AI voice wearable. The company, which is headquartered in Chicago and in stealth mode, has multimillion dollar contracts with the U.S. Department of Defense and just raised \$4.7M in funding from tier 1 investors, including the first investor in Oculus. The company has more than 10 of the most critical U.S. companies as paid pilot 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 committed to building one of the most foundational companies of the 21st century.

Job Description |

Frontier is hiring a Back End and Full-Stack Engineer who wants to do the most important work of their life. The selected individual will be responsible for critical components of Frontier's real-time communication and voice platform (that lives on the cloud and on HW on top of Android) 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. Expected compensation is \$110-175K base, way-above-market equity, relocation support, and good benefits. This role is ideal for someone who wants to (1) be a cornerstone member of a rapidly growing team and (2) do critically important work for an underserved end-user group, and (3) iterate rapidly on the cutting edge of voice AI.

Responsibilities |

- Drive key front-end (Android launcher/apps & web portal) and cloud back-end contributions to real-time communication and voice AI platform, working closely with senior and staff engineers.
- Build the enterprise web portal, creating intuitive, responsive interfaces to support seamless user workflows and data interactions.
- Execute bug fixes, code cleanup, and refactoring across front-end components to improve maintainability and performance.
- Support the finalization and optimization of Android app front-end and launcher features, emphasizing smooth on-screen experiences and cross-device compatibility.
- Contribute to back-end systems, including on real-time communication platform, microservices, and secure integrations.
- Implement clean APIs, real-time endpoints (WebSocket, WebRTC, gRPC), and observability tools to boost overall platform reliability.
- Drive customer data integrations for voice AI and RAG pipeline with external SaaS platforms (e.g., Teams, Procore) and assist with vector database ingestion for key features.
- Partner with machine learning, hardware, and other teams to deliver end-to-end seamless capabilities and step in where needed to ship.
- Stay at cutting edge of AI coding tools.





Qualifications |

Required

- 2+ years of experience building production-ready back-end services in Go, Rust, TypeScript/Node, or Python.
- Hands-on experience developing modern, responsive frontend applications using frameworks like Remix and Next.js, creating intuitive UIs and seamless navigation for data-intensive, interactive web apps.
- Exposure to mobile app development, including cross-platform frameworks like React Native or native tools such as Kotlin for Android and Swift for iOS, with proficiency in leveraging AI-assisted tools for rapid prototyping and integration.
- Proficiency in unit and E2E testing with tools like Playwright, Jest, or Mocha to ensure reliable, high-performance web applications.
- Experience with PostgreSQL (or MySQL), including efficient query writing and schema migration management.
- Familiarity with containerization (Docker) and enthusiasm for mastering container orchestration (Kubernetes) and CI/CD pipelines.
- Proficiency in Git and GitHub for version control, including branching strategies, merging, pull requests, and collaborative workflows.
- Understanding of web security fundamentals and APIs (e.g., OAuth 2.0, OIDC, JWT).
- Exceptional problem-solving abilities, a hunger for rapid learning, and strong collaboration skills in fast-paced teams.
- Eligibility for U.S. work authorization within 3 months, with no restrictions on international travel.
- Ability to commute daily to our Chicago office (relocation support included in the offer).

Preferred

- Experience with Cloud Native and Serverless runtimes (e.g., AWS Lambda, Google Cloud Run, Cloudflare Workers).
- Familiarity integrating LLMs at the application layer via APIs like OpenAI, Gemini, or Claude.
- Hands-on experience building cross-platform mobile apps, with expertise in native development using Kotlin for Android or Swift for iOS.
- Background or keen interest in real-time protocols (WebSocket, WebRTC, SSE, gRPC streaming) or message queues.
- Interest in DevOps, infrastructure cost optimization, and automated scaling.
- Demonstrated ability to work autonomously, taking initiative on tasks with minimal oversight.
- Experience with real-time communication platforms and voice AI.
- Open-source contributions or standout personal projects.

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.

