



JOB POSTING

Senior Full Stack Developer

About Us

Qvyon Technologies builds the Reality Infrastructure for Physical AI.

Our MIMIC™ platform transforms real-world multimodal sensor evidence into reconstructed, measurable and traceable environments and datasets that connect Physical AI development to the real-world environments in which systems operate.

Designed to complement world models, simulation platforms and existing engineering toolchains, MIMIC™ provides a reality-grounded foundation spanning development, evidence intelligence and continuous field intelligence.

Qvyon's technology is designed for Physical AI applications across automotive, commercial vehicles, transportation and rail, industrial manufacturing, robotics, aerospace and defense.

The Opportunity

We are looking for an experienced Full Stack Developer to modernize the user experience of our simulation platform. This is not a typical business dashboard role. You will build highly interactive 3D interfaces that allow users to view, edit, and control simulation environments, sensors, cameras, and playback workflows.

What You'll Own

- Redesign and improve the platform's user interface
- Build interactive 3D tools for navigation, editing, visualization, and playback
- Create mockups, prototypes, and proof-of-concepts to test ideas quickly
- Help select and implement the future UI technology stack
- Develop workflows for simulation management, sensor visualization, and data playback
- Integrate frontend and backend systems using APIs, WebSockets, gRPC, or similar technologies
- Write high-quality, tested code and contribute to CI/CD and development best practices

What We're Looking For

Must-Haves

- 8+ years of software development experience
- Strong frontend development skills (React, TypeScript, JavaScript, or similar)
- Experience designing complex user interfaces and rapid prototyping
- Experience building responsive, performance-sensitive applications
- Solid software engineering fundamentals
- Use AI-assisted development tools responsibly to accelerate delivery while relying on compilers, linters, tests, profiling, and code review as quality gates
- Backend/API integration experience (Python, Go, Rust, REST, gRPC, WebSockets, etc.)

- Experience working in collaborative engineering environments using Git and CI/CD tools

Nice-to-Haves

- Experience building 3D applications, simulation tools, CAD-like tools, or digital twins
- Knowledge of 3D technologies such as Three.js, React Three Fiber, Babylon.js, Unity, Unreal, WebGL, or WebGPU
- Experience with desktop or hybrid applications (Qt, Electron, Tauri, Unity, Unreal)
- Understanding of rendering performance, large-scene optimization, camera controls, and real-time visualization
- Familiarity with UX/UI tools such as Figma, Storybook, and design systems

How to Apply

Send your resume and a short note on why this role interests you to talent@qvyon.com. We review applications on a rolling basis.

We are an equal opportunity employer. We celebrate diversity and are committed to creating an inclusive environment for all employees.

Why Join Us?

- A mission-driven company with a strong ethical foundation
- Opportunities for growth and development
- Inclusive and collaborative work environment
- A high-impact opportunity to rethink the user experience of a simulation platform from the ground up
- The chance to work at the intersection of 3D product design, simulation, robotics, autonomy, industrial systems, and modern developer tooling

What We Value

We are guided by our core values:

Customer Obsession: We put customers at the heart of every decision.

Move with Velocity: We communicate clearly to align quickly, act decisively, and keep momentum.

Own the Outcome: We measure success by the results we deliver, not the tasks we complete.

We're looking for individuals who not only bring strong skills and experience but also align with our values and are excited to contribute to a purpose-driven culture.