bytefuse

About the Company

Bytefuse is an Artificial Intelligence (**AI**) Research and Development company that forms part of the Alphawave Group. We operate as a rapid prototyping unit that **collaborates with partners** to understand the complexities within each **unique context** to develop solutions that solve immediate, real-world challenges.

We are on a mission to improve lives through contextual AI, and have a great deal of work ahead of us. If you want to make a tangible impact, keep pushing your understanding of the world of AI and work with a team of leading experts then Bytefuse might be the right place for you.

Our Team and Environment

We're a team of innovators, problem-solvers, and creators, who are **curious and optimistic** about new opportunities and challenges. We encourage **unconventional thinking**, and exploring different approaches to solving problems. Our startup culture creates a **safe-to-fail** and familiar environment where our team can collaborate, learn, experiment, hone their skills, and contribute to **solving real-world problems**.

We are committed to the **personal growth and development** of our team and support the participation in **international conferences.**

Our Offices

We have offices, situated within **Techno Park**, in the beautiful surroundings of Stellenbosch, and **Montague Gardens**, close to the centre of Cape Town. We offer flexible working hours, allowing for a healthy work-life **balance**. The team can work remotely on Wednesdays. We have unlimited barista style **coffee**, and the option to order daily meals for lunch.

Job Description: Frontend Developer

As a Frontend Developer at Bytefuse, you'll lead the creation of engaging, scalable web applications that seamlessly integrate with our AI-driven backend services. Your expertise will shape our user experience, turning complex interactions into intuitive interfaces. You'll collaborate closely with design, product, and backend teams to deliver high-quality products that address diverse real-world challenges.

You will be involved in rapid prototyping, iterative development, and driving best practices across our frontend ecosystem, especially using modern frameworks like Next.js.

Key Responsibilities

- Design, build, and maintain scalable frontend architectures using NextJS, React and related modern frameworks.
- Implement responsive, accessible, high-performance user interfaces across desktop and mobile.
- Collaborate closely with product designers, machine learning engineers, and stakeholders to ensure alignment on technical direction and product goals.
- Develop and maintain shared component libraries and design systems to promote consistency and reusability.
- Write clean, modular, and maintainable TypeScript/JavaScript code, following industry best practices.
- Profile and optimize frontend performance across components and user interactions.
- Participate in code reviews and promote a culture of quality, knowledge sharing, and continuous improvement.
- Stay current with evolving technologies, frameworks, and best practices in frontend development.
- Effectively communicate project statuses, potential challenges, and solutions clearly to stakeholders and team members.

Qualifications

- Bachelor's degree in Computer Science, Engineering, or related field. A Masters degree is advantageous.
- 3-5 years of experience in frontend software development, preferably in a startup or fast-paced environment.
- Strong expertise in Next.js, React, TypeScript, and modern JavaScript (ES6+).
- Familiarity with Python, AWS (or equivalent cloud platforms), and CI/CD pipelines is a plus.
- Strong grasp of software engineering principles: data structures, algorithms, design patterns, and performance optimization.
- Experience with Agile development methodologies and tools and experience working in Agile teams.
- Excellent communication and collaboration skills; ability to work effectively in cross-functional teams.

What can you expect from Bytefuse?

- Competitive salary
- Generous leave policy
- Flexible working hours with WFH Wednesdays
- Opportunities to grow and develop a career in the world of AI and ML
- Offices with lunch and barista-style coffee

How to Apply?

Email your CV to careers@bytefuse.ai with the Job Title of the role you are applying for in the Subject Line. Please reach out if you have any questions.