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Senior Front-End Engineer - Lead Design & Architecture at Scale

Lead Front-End for Global E-Commerce

Job Information

Recruiter[Michael Page](#)**Job ID**

1597107

Industry

Software

Job Type

Temporary

Location

Tokyo - 23 Wards

Salary

6 million yen ~ 8 million yen

Refreshed

June 15th, 2026 18:02

General Requirements

Career Level

Mid Career

Minimum English Level

Fluent

Minimum Japanese Level

Daily Conversation

Minimum Education Level

Bachelor's Degree

Visa Status

Permission to work in Japan required

Job Description

This role leads the design and development of scalable front-end architecture for a major e-commerce platform serving tens of millions of users. You will bridge UI/UX design and engineering, ensuring high performance, maintainability, and reliability in a complex, high-traffic environment.

Client Details

Our client is a leading, large-scale internet services company operating one of Japan's largest e-commerce platforms. Serving tens of millions of consumers, the organization continuously innovates to deliver best-in-class UI/UX while maintaining stability during massive traffic events and peak campaigns.

Description

- Lead front-end architecture design from scratch (component design, state management, design systems, performance optimization, CDN)
- Develop, test, and deliver new user-facing features for a large-scale e-commerce platform
- Translate UI/UX wireframes into high-quality, scalable, and maintainable code
- Collaborate with designers, backend engineers, and stakeholders to bridge business, design, and technical requirements

- Build reusable components and front-end libraries for long-term scalability
- Optimize front-end performance, especially under high-load conditions
- Conduct system improvements including refactoring, architecture enhancements, and technology adoption
- Monitor production systems, troubleshoot issues, and lead incident resolution
- Ensure code quality through reviews, testing (unit, integration, E2E), and best practices
- Drive technical decisions and promote impactful solutions across teams

Job Offer

- Opportunity to lead front-end architecture for a high-impact, large-scale platform
- Exposure to cutting-edge technologies and performance challenges at scale
- Collaborative, innovation-driven engineering environment

To apply online please click the 'Apply' button below. For a confidential discussion about this role please contact Serena Wu on +81 3 6627 6137.

Required Skills

- 5+ years of front-end development experience using HTML, CSS, and JavaScript
- 5+ years of experience with React, Redux, and TypeScript
- Proven ability to design front-end architecture from scratch (component-based design, state management, UX, performance optimization)
- Strong experience with testing frameworks (e.g., Jest, Cypress, Playwright, WDIO) including unit, integration, and E2E testing
- Experience with REST APIs, JSON, and CORS
- Solid understanding of asynchronous and parallel processing (e.g., Promise, WebWorkers, WebSockets)
- Experience with system monitoring, troubleshooting, and production support
- Familiarity with Linux environments and DevOps practices (Git, CI/CD tools such as Jenkins)
- Strong documentation and communication skills with the ability to explain complex concepts clearly
- Proactive mindset with the ability to identify issues, propose solutions, and drive execution
- Interest in leveraging AI tools (e.g., modern coding assistants, automation tools) to improve development processes
- Business-level English proficiency

Preferred:

- Experience as a Tech Lead in high-traffic web systems
 - Experience managing medium-to-large scale projects
 - Agile development experience
 - Knowledge of linting tools and public cloud platforms (e.g., GCP)
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Company Description

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