Kaiqi Fu - Front-End Engineer

Personal Information

- **Degree:** Bachelor's in Software Engineering, Hangzhou Normal University
- **Graduation Year:** 2019
- **GitHub:** https://github.com/dreamhuan
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Technical Skills

- Proficient in **HTML5**, **CSS3**, **JavaScript**, and **TypeScript**
- Skilled in **React** and its ecosystem
- Experienced with **Node.js** and related HTTP frameworks
- Familiar with front-end engineering tools such as **Webpack** and **Vite**
- Proficient in **Git**
- Knowledgeable about back-end technologies such as **Java**, **Go**, **MySQL**, and **Redis**

Work Experience

ByteDance (September 2022 – September 2024)

Douyin Pay Merchant Platform Development (Core Tech Stack: React)

Merchant Portal Platform

- **Description:** A unified entry point for merchant onboarding within ByteDance.
- **Responsibilities:**
    1. Led front-end iterations as the owner, increasing onboarding success rates from 60%+ to 95%+ and improving user experience scores from 6+ to 8+.
    2. Upgraded the project using ByteDance's micro-frontend framework for modularization and modernization.
    3. Implemented test coverage tools to assist QA, achieving 90% test coverage for 30+ team projects.
    4. Enhanced exception monitoring and process tracking to identify user bottlenecks in form interactions, leading to iterative improvements in user experience.
    5. Maintained the BFF layer, integrating backend RPC services and internal permission systems.
    6. Refactored form-related logic using **Formily**, enabling form configuration and boosting development efficiency.

Requirement Management System

- **Description:** Unified development experience by connecting internal code, requirements, deployment, and testing platforms.
- **Responsibilities:**
    1. Centralized multiple systems through OpenAPI to create a one-stop development workflow and integrated it into a team-developed Mac app.
    2. Owned and maintained CI/CD pipelines for the Merchant Portal system, streamlining release processes.
    3. Automated release documentation and notifications via Feishu integration.

Alibaba (July 2021 – September 2022)

User Growth & Engagement for Taocaicai Team Leader App (Core Tech Stack: Rax)

Product Sharing

- **Description:** Iteratively enhanced product-sharing capabilities for team leaders.
- **Responsibilities:**
    1. Served as a technical PM, coordinating resources across platforms and managing project progress.
    2. Optimized page performance by consolidating API calls using FaaS.
    3. Conducted A/B tests to evaluate different image and text layouts, improving sharing conversion rates.

Content Platform

- **Description:** Enhanced product-sharing efficiency by providing high-quality materials.
- **Responsibilities:**
    1. Built a material center for production, delivery, and feedback loops.
    2. Developed a template center with personalized image composition capabilities.
    3. Created an A/B testing platform for comparing material and template effectiveness.
    4. Designed a data module for performance reporting using tracking data and big data platforms.

Tuya Smart (May 2019 – July 2021)

IoT Platform Application Services (Core Tech Stack: Next.js, TypeScript)

IoT Dashboard Navigation Redesign

- **Description:** Unified navigation across IoT platforms by developing reusable global components.
- **Responsibilities:**
    1. Standardized navigation configurations across teams based on new UI and functional requirements.
    2. Managed cross-tab communication using storage events.
    3. Conducted code reviews to maintain high-quality standards.
    4. Coordinated multi-team integration with detailed documentation and phased release strategies.

Project Dependency Analysis

- **Description:** Analyzed project dependencies in Next.js applications.
- **Responsibilities:**
    1. Generated a comprehensive dependency graph for the project.
    2. Visualized the dependency graph using D3 with force-directed algorithms.
    3. Built tree structures for component or page references.

Open Source Projects

- Next.js Dependency Analysis: An AST-based tool for analyzing dependencies in Next.js projects.
- Cookie Sync Plugin: A Chrome extension for copying and syncing cookies.