Daeram Chung

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EDUCATION

CodeSquad Jan. 2023 - Nov. 2023
Front-End Web Development
Sungkyunkwan University Mar. 2015 - Feb. 2022
Bachelor's of Business Administration
Lincoln Community School Aug. 2010 - May 2014
International Baccalaureate

PROJECTS

FineAnts - Team Project (FE Developer, Co-Planner)
Oct. 2023 - In Development
A stock portfolios platform allowing users to track portfolios spread across different financial services.

Managed Real-time Data & Asynchronous Operations
- Developed the view for portfolio holdings based on real-time data received through Server-Sent Events(SSE) every 5 seconds.

Notification Feature
- Implemented notification features for target stock prices, portfolio target valuation and maximum loss using FCM. (docs, service worker)

Optimized Search Results Cache
- Applied debouncing of 250ms on search features to reduce server burden and excessive query cache memory usage.
- Reduced redundant search requests by applying staleTime and gcTime of 30mins based on an average user session.

Improved User Experience
- Handled common errors such as network errors in the root level using ErrorBoundary.
- Handled component-level errors in separate ErrorBoundaries to include user-friendly mechanisms such as retry buttons.
- Handled CRUD related errors in QueryClient and used toast notifications to provide feedback to users.
- Handled loading states using React Suspense and skeleton UI.

Implemented Authentication Attack Mitigations
- Employed measures such as PKCE (Authorization Code Replay), state (CSRF), and nonce (ID Token Replay) for enhanced security based on OpenID Connect. (docs)

Published an NPM Package(@fineants/demolition)
- Developed common React hooks and various utility functions, complemented by unit tests.
- Configured husky to automate tests for better DX and to ensure a more stable code quality.

Project Planning
- Ideated project features and contributed to the creation of a comprehensive wireframe in Figma.

Tech: TypeScript, React, TanStack Query, styled-components, MUI, SSE, FCM, Jest, MSW, AWS (Amplify, Route53)
GitHub: https://github.com/fine-ants/frontend
Docs: https://github.com/fine-ants/obsidian/tree/main/FE

Second Hand - Team Project (FE Developer)

CodeSquad | Aug. 2023 - Oct. 2023

A clone of the popular Korean marketplace app, Daangn Market.
- Developed a real-time chat service based on WebSocket connections.
- Improved code reusability by creating and maintaining application-wide UI components, aligning with the established design system for a consistent and scalable user interface.
- Enhanced developer efficiency by creating custom hooks, such as the useText hook, which features a flexible input validation system, complemented by test code.

Tech: TypeScript, React, TanStack Query, Styled-Components, WebSocket, Jest, MSW

GitHub: https://github.com/second-hand-team-04/second-hand-max-fe

Amazon Clone - Individual Project

CodeSquad | Apr. 2023

A clone of the amazon.com homepage.
- Created the entire web page using custom elements and Web Components APIs.
- Enhanced modularity and separation of concerns by implementing a reactive backdrop component by leveraging custom events to dynamically activate/deactivate the backdrop based on external events.

Tech: Web Components, SASS, Express

GitHub: https://github.com/Kakamotobi/fe-max--shopping

Bleeper - Personal Project

Nov. 2022 - Dec. 2022

A desktop productivity application that provides a todo list and sends timely reminders.
- Developed cross-platform (Windows, MacOS) bundles for the application.
- Implemented resource-efficient technologies with a focus on minimizing bundle size, memory usage, and processing power, enhancing the overall performance and user experience of the application.

Tech: Svelte, Tauri

GitHub: https://github.com/Kakamotobi/bleeper

TECHNOLOGIES

Library React
Language TypeScript, JavaScript(ES2015+)
State Management TanStack Query
Style styled-components, MUI, SASS
Test Jest, React Testing Library
Deploy AWS (S3, Amplify, Route53)
Collaboration Git, GitHub, VSCode, Slack
Interested Next.js, Express, Nest.js, Swift/SwiftUI

ADDITIONAL INFORMATION

Languages English (Native), Korean (Native)
Military Service Discharged 21 months
Interests Sudoku, Jump Rope