

# Daeram Chung

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**Blog:** <https://medium.com/@daeram.chung>

## 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

- Reduced server burden and excessive memory usage by applying debouncing of 250ms.
- Reduced redundant search requests by applying staleTime and gcTime of 30mins.

#### 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](#))

#### PWA for Mobile & Desktop

- Implemented PWA to provide user experience similar to platform-specific applications.

#### 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