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Education

Stockholm University

Master of Science in Information Security

Aug. 2023 – June 2025

Stockholm, Sweden

Projects

Portfolio

Restaurant Delivery Software Product | *Java, Springboot, MySQL, MyBatis, Redis, node.js, Vue*

July 2024

- A food delivery platform built by **Springboot**, **Mybatis**, **Redis**, supporting **CRUD operations** by **RESTful API**. Provider can maintain information on the platform, and consumers can place orders through a mini-program.
- Implemented **JWT** for token issuance, customizing the interceptor to verify JWT token validity
- Used **OSS**(Aliyun) to store dishes and meal materials, and utilized **Redis** for data caching to improve user access speed.
- Applied **AOP** for automatic filling of public fields (e.g creation time, creator) to reduce code redundancy and lower coupling

Boardy - Real-Time Collaboration | *Next.js, React, Tailwind, Typescript, Shadcn UI*

June 2024

- Developed a collaborative whiteboard app using **Convex** for **Clerk**, Clerk for authentication, built the project's basic structure with **Next.js's** App Route.
- Enhanced the visual and interactive elements of the application using **Tailwind CSS** and **Shadcn UI**
- Implemented state management and real-time collaboration using **Liveblocks'** object features and API, enabling users to insert various shapes, utilize drawing tools, and interact with multiple users in real-time within the same room.

The Wild Oasis | *Vite, React, Styled-Component, Supabase*

February 2024

- Developed a **full-stack application** for a small boutique hotel with 8 luxurious wooden cabins, incorporating **Supabase** for backend data management and authentication, and implementing **React Router** for project routing.
- Created an internal system for staff to check hotel bookings, cabins, and handle guest check-ins and check-outs.
- Utilized **React Query** for remote state management and **Context API** for UI state management to enhance data handling, allowing for **CRUD operations** on bookings, cabins, and check-in/check-out data with Supabase.
- Styled the application with **Styled-Components** and implemented form management with **React Hook Form**, integrating libraries such as **React Hot Toast**, **Recharts**, **React Icons**, and **date-fns** for components.

Fast React Pizza App | *Vite, React, React Router, Redux, Tailwind CSS*

December 2023

- Built a **single-page application (SPA)** using **Vite** and **React**, incorporating React Router for routing and data.
- Utilized **React Router's** data loading to manage the global remote state, enhancing interactivity and responsiveness.
- Styled the project with **Tailwind CSS**, resulting in a visually appealing and user-friendly interface for interaction.
- Implemented global UI state management using **React Redux**, **Redux Toolkit**, and **Redux Thunk**, enabling users to seamlessly order pizzas and have them delivered to their homes.

School Experience

Stockholm University

Mar 2024 – May 2024

Group Project - Cyber Forensics Lab Project

Stockholm, Sweden

- Conducted comprehensive network forensics analysis as part of lab assignments, utilizing tools such as Wireshark, Autopsy/FTK Imager, and Kali Linux VM to investigate and document network intrusions and suspicious wireless traffic
- Employed forensic methodologies to analyze .pcap files, identifying sources and destinations of suspicious traffic, transport layer protocols, and potential attack techniques.
- Investigated potential network intrusions by analyzing network traffic captures and Linux server images, correlating evidence and generating detailed reports on findings.
- Managed forensic software tools to interpret network behavior, identify strengths and limitations, and report findings to lab supervisors.

Technical and Additional Skills

Programming Languages: Java, Python, Javascript, SQL, Typescript, HTML, CSS

Other Technologies: MVC, MyBatis, Redis, React, Maven, Junit, Tailwind CSS, Redux, Linux, Ubuntu, MS Office, Git, Visual Studio Code, IntelliJ IDEA, Postman, Wireshark, Latex, Virtualbox

Language: Fluent in English and Mandarin(native), basic Cantonese