Emil **Lystimaki**

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Work Experience

Circular Way *London, Uk*
JUNIOR SOFTWARE ENGINEER *Jan - 2023 – Current*

- Developed and maintained a platform for circular fashion at Circular Way, leveraging cutting-edge technologies to enhance user experience and drive sustainable fashion practices.
- Implemented a fully functional storefront front-end using Svelte with SvelteKit. Successfully converted React.js libraries and node.js, such as auth.js (next-auth), to be compatible with Svelte and CloudFlare workers, ensuring seamless integration and meeting project requirements.
- Built a robust and scalable node.js backend using Medusa.js framework, supporting all commerce management functionalities and a React.js management dashboard. Leveraged advanced technologies like Redis event buses and cache to optimize performance and enhance the backend functionality.
- Added robust CI/CD pipelines for all company repositories. Leveraged playwright to create comprehensive end-to-end testing suites that accurately replicated the CloudFlare production environment, enabling thorough testing and validation of software functionality.

Algo Capital *London, Uk*
CRM DATA SPECIALIST (CONTRACT) *May - 2022 – Sep - 2022*

- Led the end-to-end implementation of CRM systems, including data migration, customization, and integration, resulting in improved data accuracy and streamlined business processes for Algo Capital's operations.
- Led the recruitment and onboarding process for a high-performing data team based in the Philippines, ensuring the selection of top talent and seamless integration into Algo Capital's CRM operations.
- Used Python and Selenium to automate basic tasks on CRM platform.

Projects

Resuai.io *TypeScript, React, Next.js, Zustand, TailwindCSS*

DEVELOPED RESUAI.IO, A COLLABORATIVE RESUME GENERATOR APPLICATION, UTILIZING THE LATEST FEATURES OF NEXT.JS AND REACT. LED THE DEVELOPMENT OF THE RESUME DASHBOARD AND IMPLEMENTED A HIGH-PERFORMANCE PDF TO PNG CONVERTER, ENABLING QUICK TRANSFORMATION OF RESUMES INTO IMAGES DURING RUNTIME. CONTRIBUTED TO THE SUCCESS OF THE PROJECT, RESULTING IN THOUSANDS OF SATISFIED USERS AND SUCCESSFUL JOB PLACEMENTS.

https://resuai.io/

ChatApp *TypeScript, React.js, TailwindCSS, Next.js, tRPC, MySQL*

DEVELOPED CHATAPP, A HYBRID MESSAGING APPLICATION INSPIRED BY WHATSAPP AND DISCORD. LEVERAGED TYPESCRIPT AND NEXT.JS AS THE FRAMEWORK, MYSQL AS THE DATABASE, AND TRPC FOR TYPE-SAFE CLIENT-SERVER INTERACTIONS. INCORPORATED AI FUNCTIONALITY BY ALLOWING USERS TO INVITE CHATGPT INTO THEIR CONVERSATIONS BY TAGGING "@AI". IMPLEMENTED A WEBSOCKET SERVER IN TYPESCRIPT TO PROVIDE REAL-TIME UPDATES ON TYPING INDICATORS AND INVALIDATE CHAT CACHES UPON RECEIVING NEW MESSAGES. ADDED A FUN ELEMENT TO THE CHATTING EXPERIENCE BY INTEGRATING A SOUND BOARD BUTTON FOR PLAYING FUNNY SOUNDS TO ALL CHAT PARTICIPANTS.

https://github.com/emilaleksanteri/chatApp

Movie go API *Go, PostgresSQL*

DEVELOPED A MOVIE GO API, A ROBUST AND SCALABLE GO BACKEND FOR BROWSING MOVIES. IMPLEMENTED A CUSTOM-BUILT MIDDLEWARE WITH RATE-LIMITING AND RUNTIME CORS CONTROLS. ALSO, INTEGRATED A LIVE PERFORMANCE DATA FEED TO MONITOR SYSTEM PERFORMANCE. ADDITIONALLY, IMPLEMENTED A SECURE EMAIL-BASED AUTHENTICATION SYSTEM FOR USER VERIFICATION.

https://github.com/emilaleksanteri/greenlight-api/tree/main

Artisanal programming langauge *Go*

DEVELOPED AN ARTISANAL PROGRAMMING LANGUAGE USING GO, INSPIRED BY THE BOOK "WRITING AN INTERPRETER IN GO". THE LANGUAGE INCLUDES ESSENTIAL FEATURES SUCH AS FUNCTIONS, VARIABLES, AND SUPPORT FOR VARIOUS DATA TYPES (INTEGERS, STRINGS, ARRAYS, BOOLEANS). IMPLEMENTED A LOCAL STACK-LIKE MEMORY TO ENABLE RECURSIVE PROBLEM-SOLVING, ALLOWING USERS TO SOLVE LEETCODE PROBLEMS.

https://github.com/emilaleksanteri/monkey_lang_go

Skills

| **Programming Languages** | TypeScript / JavaScript, Go, Python |
| **Frontend Frameworks** | Svelte, SvelteKit, React, Next, HTMX |

Education

Hult International Business School   *London, Uk*
BS ɪɴ BBA/CS
GPA: 3.5/4.0

- Earned a Bachelor's degree in Business Administration with a minor in Computer Science, combining a strong foundation in business principles with technical expertise in computer science.