Addison Ho

+65 81100210

carreinlee@proton.me | github.com/carrein | linkedin.com/in/addison-ho

H1-B1 Eligible

Work Experiences

WeightWatchers   California, United States
Full Stack Software Engineer   **March 2023 — August 2024**

▪ Led front-end development to integrate clinical services into native mobile apps, overseeing a UI/UX revamp that delivered a cohesive brand design aimed at funneling existing customers to the clinic experience.
▪ Developed key features for Bedrock, our internal platform serving 200+ staff, including in-system faxing, medication delivery tracking, and third-party API integration using TypeScript and Node.js.
▪ Contributed major features to Sequence, our member-facing web app, as it scaled from 30k to 100k users — including long-term contract subscriptions, Care Team feedback, and refill requests in React.
▪ Piloted an identity verification (KYC) system for all members in collaboration with the Trust and Safety team, aligning the company with legal and regulatory requirements.
▪ Delivered RD Insurance Billing, a brand-new product offering nutrition therapy visits for all members, which is one of three core initiatives to improve our members' experience and diversify our revenue streams.
▪ Auxiliary responsibilities include end-to-end lifecycle subscription management, conducting A/B tests on the checkout flow, scripted customer alerts, error triage using Rollbar and FullStory, and component testing with React Testing Library.

Armorblox   California, United States
Full Stack Software Engineer   **June 2021 — March 2023**

▪ Member of the Data Protection team, responsible for mitigating email data leaks on the Armorblox platform. Deployed solutions include file matching and source code detection, resulting in approximately 25% reduction in BEC attacks.
▪ Designed and implemented front-end components and controls for RBAC (Role-Based Access Control) across all business tenants with permissioned routing and guard flags across the Armorblox platform.
▪ Created ML Workbench, accelerating our AI team's capability in triaging emails based on their threat profiles, replacing legacy Excel-only workflows used for tracking threats.
▪ Developed the Scheduled Reports service, generating threat reports for customer organizations using Next.js and Gotenberg. Collaborated with the Product and Platform teams on data templates and building a scalable solution.
▪ Responsible for CMP, a DevOps management tool for creating and removing Kubernetes clusters, and Kraken, an email vector attack simulation tool, both developed using React.
▪ Other responsibilities include a full UI component refresh as part of Project Eminence, along with custom filtering, remediation actions, and components for VIP settings.

Taskade   Singapore
Software Engineering Intern   **March 2020 — December 2020**

▪ Implemented document indexing and retrieval using AWS Elasticsearch for Taskade Search functionality.
▪ Developed Master Agenda feature with React components and GraphQL APIs.

Education & Projects

National University of Singapore   **August 2017 — May 2021**

▪ Bachelor of Computing (Honors) in Computer Science — CGPA: 4.02
▪ Specialization in Network and Distributed Systems.

github.com/carrein/catallenya-sev

▪ Personal project focused on retaining data sovereignty, replacing third-party services with a self-hosted solution for photo management and cloud storage. Offers deep integration with systemd jobs, LUKS encryption, and Backblaze backup alerts.

Skills and Interests

Programming Languages: JavaScript, TypeScript
Front-end and Mobile: React, React-Native, HTML, CSS
Back-end and Infrastructure: Node.js, tRPC, GraphQL, MikroORM, PostgreSQL, Amazon Web Services, Google Cloud Platform
Interests: Self-hosting, Flutter development, Linux, infrastructure hardware, and FOSS technology.