

## Work Experience

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Milieu Insights Singapore

### Solution Architect

June 2025 — Dec 2025

- Engaged with external clients in validating and engineering technical solutions such as **SCIM** and data ingestion integrations.
- Accelerated internal service request turnaround by creating repeatable script pipelines and self-serve tooling with **Bun**.
- Built Milieu Mind (**NotebookLLM**) to increase in-house visibility on our security posture, feature availability and use-cases for Sales and Research.

WeightWatchers California, United States

### Full Stack Software Engineer

March 2023 — August 2024

- Led front-end development integrating **WW Clinic** into native mobile apps, funneling customers to new clinic experience.
- Created a **KYC system** for all members, aligning the company with compliance requirements, in preparation of an acquisition.
- 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, scaling to 100k users — including long-term contract subscriptions, Care Team feedback and refill requests in **React**.
- Piloted **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.
- Other core responsibilities include subscription management with **Stripe**, A/B test visualization with **Amplitude**, building internal tools with **Retool**, UI testing with **React Testing Library**, triaging and monitoring errors with **Rollbar** and **Datadog**.

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 (Business Email Compromise)** attacks.
- Designed and implemented front-end components and services 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**.

## Projects

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### catallenna

- catallenna is a personal data sovereignty project aimed at replacing third-party services with self-hosted solutions.

## Education

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National University of Singapore August 2017 — May 2021

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

## Skills and Interests

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- Programming Languages: JavaScript, TypeScript, Python, C#.
- 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, Android, Linux, hardware infrastructure and FOSS technology.