

# Hosam (Sam) Dahrooge

Software Engineer

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## Summary

Software Engineer specializing in frontend development with over 3 years of experience building enterprise applications. Delivered features used by up to 300,000 global users, improving onboarding, analytics, and engineering workflows. Focused on building reliable, maintainable and polished UIs in TypeScript and modern frontend frameworks.

## Experience

### Senior Frontend Software Engineer — Penny AI

Oct 2023 - Sep 2024

- **Designed, led, and built** onboarding and bulk-invite features, facilitating client acquisition with **over 70,000 users**.
- **Collaborated** on comprehensive analytics features, **increasing platform sales by 45%**.
- **Led and mentored a team of FE developers**, ensuring quality deliverables and adherence to project timelines.
- **Implemented** customizable dashboard and leaderboard features that attracted **eight new clients**.
- **Coordinated 9 weekly releases** of three applications across **three platforms** (iOS, Android, Web).
- **Established** design system patterns and **refined** projects, **reducing development time and UI inconsistencies**.

### Frontend Software Engineer — Penny AI

Jun 2021 - Sep 2023

- **Led the FE development** for Penny's largest project, resulting in the **renewal of a multi-million dollar contract**.
- **Collaborated on a Chrome extension** for contact migration, **boosting user retention by 30%**.
- **Implemented tools and patterns** that streamlined feature management and scalability for enterprise clients.

### Sample Fabrication Team Lead — Tierra Sol

Oct 2018 - Jan 2021

- Led a team from a major branch backlog to becoming the **centralized production department** across all of Canada.

## Project

### Playward — Game backlog manager and price tracker ([App](#) | [GitHub](#))

- Full-stack **Next.js PWA** in TypeScript, backed by **PostgreSQL (Prisma)** with **Google authentication**.
- **Implemented price aggregation** across Steam, PlayStation and Nintendo using **cron jobs** and **price caching**.
- **Integrated IGDB API** for search + metadata ingestion, including a **custom ranking algorithm** for search.
- **App-like responsiveness** with a **custom client layout and route-loading** layer.

*\*Feature-complete MVP; frequent feature additions and refinements.*

## Skills

- **Frontend (Professional):** TypeScript, JavaScript, Angular, RxJS, NgRx, Ionic, Jest
- **Frontend (Additional):** React, Next.js, Tailwind
- **Backend:** Node.js, Prisma, PostgreSQL, Python, Django
- **Engineering:** Design Systems, i18n, CI/CD, Accessibility, Performance, Sentry/Datadog, Mobile (iOS/Android)

## Education

- **Lighthouse Labs** — Diploma in Web Development (2021)
- **University of Calgary** — Majored in Oil and Gas Engineering (2014 - 2018)