

# Henry Tan

## Software Engineer

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### EDUCATION

Bachelor's Degree in Computer Science - Baruch College

Expected Graduation: Dec 2026

Web Development - App Academy

2019

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### CERTIFICATIONS

- Certified Information Systems Auditor (CISA) — Exam Candidate (ISACA, Planned 2026)
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### EXPERIENCE

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Software Engineer (*React, Next.js, TypeScript, Supabase, TailwindCSS, Prisma*)

Oct 2025 - Present

- Build and maintain **new-user invitation email templates** using **React Email**, ensuring responsive design, consistent branding, and smooth delivery as part of the **onboarding flow**.
- Audited and resolved critical bugs within administrative and client dashboards, improving system reliability and **operational transparency** for internal stakeholders.
- Architected **privileged access controls** and administrative workflows for hotel/booking management, ensuring data integrity and preventing unauthorized deletions.

*Black Spectacles*

Software Engineer (*React, TypeScript, Node.js, Material UI, HubSpot, MySQL*)

May 2022 - July 2024

- Led migration from **Expression Engine/PHP** to **React/TypeScript**, reducing **page load times by 40%** and increasing **developer efficiency by 30%** with improved frontend architecture.
- Developed a secure self-serve checkout portal with real-time validation and payment integration, reducing transaction errors by 20% and ensuring **secure financial data handling**.
- Created a **custom email template editor**, reducing **errors by 20%** and enabling non-technical users to manage in admin tools.

*Stealth Startup (Digital Health and AI Industry)*

Software Engineer (*Chrome Extensions, React, JavaScript, Node.js, Material UI, Python, Flask*)

Dec 2020 - May 2022

- Led the development of the company's **flagship AI-driven Chrome extension**, transitioning from **prototype to beta launch**, resulting in **1,000+ installs** and a **4.9/5 rating** on the Chrome Web Store by delivering a responsive **React/Material-UI** interface.
- Optimized application performance and data persistence using **Chrome Storage API**, reducing **server-side load** by 60% and improving system efficiency.
- Integrated **Contentful CMS**, accelerating content updates and enabling non-technical users to publish autonomously.

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### PROJECTS

Issue Tracker (*React, Next.js, Prisma, RadixUI, Tailwind CSS, and MySQL*)

[live](#) | [github](#)

An issue tracking dashboard that displays real-time summaries, interactive charts, and a feed of recent activity.

- Engineered a secure **Identity and Access Management (IAM)** system using NextAuth to enforce Role-Based Access Controls (RBAC) for data modification.
- Implemented dynamic, **URL-parameter-based** issue filtering using **Prisma queries** to ensure **accurate data retrieval** and persistent, shareable audit views.

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### SKILLS

LANGUAGES: *JavaScript | TypeScript | SQL | HTML5 | CSS3*

TECHNOLOGIES: *React | Redux | Next.js | Node | Express | TailwindCSS | Prisma | HubSpot | Git | AWS | Chrome Extensions*