

Ryan Gan

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Technical Skills

Languages: Python, Java, TypeScript, JavaScript, HTML, CSS, C, C#, Swift, Rust, Racket

Frontend & Design: React, React Native, Next.js, Expo, Tailwind CSS, Redux, Figma

Backend & Databases: Node.js, SpringBoot, Flask, PostgreSQL, MySQL, SQL Server, SQLite, MongoDB, Prisma

Cloud & Deployment: AWS (EC2, S3, RDS), Linode, Vercel

Tools & Others: GitHub, GitLab, Plastic SCM, VSCode, Xcode, Docker, Firebase, Auth.js, Socket.IO, Unity, Unreal Engine, Photoshop, ServiceNow, Postman

Methodologies & Project Management: Agile (Scrum, Kanban), Waterfall, Jira, Trello, ClickUp, Linear

Professional Experience

Software Engineer | *Dynasty 11 Studios*

Sep. 2022 - Apr. 2024 | Philadelphia, PA

- Led frontend development for the “Player 2 HelpDesk Application,” from design in **Figma** to implementation with **React** and **TypeScript**, and integrated it with the main “Player 2” app. Delivered an intuitive dashboard and reporting system with real-time updates for technicians to manage user tickets
- Reimplemented the in-app store infrastructure in main “Player 2” app by redesigning data models in **React Native** and restructuring store **APIs** in **Spring Boot**, achieving over **60% improvement in load time**
- Integrated **RevenueCat SDK** for **cross-platform in-app purchases**, and developed **RESTful APIs** using **Spring Boot** to support business logic for transaction, ensuring consistent functionality across iOS and Android devices

CMDB Engineer Co-Op | *Berkeley Technology Services*

Mar. 2022 – Mar. 2023 | Wilmington, DE

- Developed and optimized workflow scripts including probes, business rules, scheduled job executions using **JavaScript**, enhancing CMDB Health Checks and streamlined operations
- Utilized **SQL** within **SQL Server Management Studio** to generate and refine tables and views in production database to meet daily client requirements
- Troubleshoot and rectified over **200 configuration items** lacking crucial data during network discovery process
- Contributed to the “Probes to Pattern Migration” in ServiceNow through migration design, testing and production updates. Ensured over **1,000 international Windows servers** were discoverable post-migration

Projects

Job Journey | Full-stack Developer | *Personal Project*

Mar. 2024 – Present

Tech Stack: Next.js, React, TypeScript, OpenAI, Tailwind CSS, Auth.js, Prisma, Framer Motion, Vercel,

- Developed a comprehensive job application management tool using **Next.js** and **TypeScript**, featuring dynamic user interactions and efficient data handling through **server actions** and **RESTful APIs**.
- Integrated **OpenAI's API** to assist users in crafting interview answers by providing AI-generated responses based on their profiles
- Implemented secure user authentication with **Auth.js** and data encryption with **bcrypt**, ensuring high standards of security and privacy for personal information and job search strategies

Icon.io – Multiplayer Gaming Platform | Full-stack Developer | *Web-Dev Class Project*

Jan. 2023 – Mar. 2023

Tech Stack: Figma, React, TypeScript, Tailwind CSS, Node.js, Socket.IO, AWS EC2

- Led UI design in **Figma** and developed an interactive frontend using **React** and **TypeScript**
- Integrated **Socket.IO** to facilitate real-time user interactions, enhancing multiplayer gaming experience
- Engineered the backend infrastructure using **Node.js**, **Express.js** and **TypeScript**, created robust **room management system** along with **gameplay logic architecture** employing socket event emitters and listeners

Education

Drexel University

2018 – 2023 | Philadelphia, PA

Bachelor of Science in Computer Science

5-Year Undergraduate Co-Op Program

Languages

English (Fluent), **Mandarin** (Native)