RYAN GAN

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Experience

Dynasty 11 Studios Inc.   Philadelphia, PA
Software Engineer   Sep. 2022 - May 2024
- Spearheaded frontend development of a HelpDesk Application from design in **Figma** to implementation with **React**
- Developed a ticket management dashboard and report visualizations with **Recharts** in the HelpDesk Application for technicians to manage user reports from our main app
- Optimized "Player 2" app performance by reimplementing the store infrastructure, specifically in redesigning store data models in **React Native** and restructuring **Spring Boot APIs**, achieving a **60% reduction in load time**
- Implemented cross-platform in-app purchases using **RevenueCat SDK** and developed **RESTful APIs** with **Spring Boot** for transaction business logic, enabling the app to generate revenue through in-app cosmetics

Berkeley Technology Services   Wilmington, DE
CMDB Engineer Co-Op   Mar. 2022 – Mar. 2023
- Developed and optimized **JavaScript** workflow scripts, including probes, business rules, scheduled job executions, improving data accuracy and completeness to over **98%**
- Leveraged **SQL** within **SQL Server Management Studio** to generate and refine tables and views in production database to meet daily client requirements
- Resolved data inconsistencies in over **200 configuration items**, enhancing network discovery accuracy
- Contributed to the "Probes-to-Pattern Migration" in ServiceNow through migration design, testing and production updates, ensuring seamless discovery of **1,000+ international Windows servers** post-migration

Projects

File S2 (Vite React & Node.js & MongoDB)   Jun. 2024 – Present
- Developed a secure file storage platform supporting up to 10GB per user, with drag-and-drop upload functionality
- Employed **Auth0 by Okta** for user authentication and authorization
- Implemented file upload using **Multer** and file storage using **Amazon S3**
- Utilized **Redis** for caching, reducing database load by **50%** and improving data access latency

Job Journey (Next.js & Prisma)   Mar. 2024 – Jun. 2024
- Created a comprehensive job application management system with personalized interview preparation features
- Integrated **OpenAI's API** to assist users in crafting interview responses and advising job search strategy
- Implemented authentication with **Auth.js** and encrypted sensitive data using **bcrypt** and **AES encryption**
- Developed 20+ **server actions** for efficient data handling

Icon.io (React & Node.js)   Jan. 2023 – Mar. 2023
- Developed a multiplayer gaming platform offering various classic puzzle games in React
- Designed UI in **Figma** and used **Ant Design** components with CSS to ensure consistent styling
- Facilitated real-time user interactions with **Socket.IO**, including chat, room info updates, and canvas broadcasting
- Engineered room management, gameplay logic architecture and scoring system for each game
- Configured Caddy to reverse proxy domain requests to the application running on an EC2 instance

Skills

TypeScript, Java, Python, React, React Native, Next.js, Node.js, SpringBoot, PostgreSQL, Agile, AWS(EC2, S3)

Education

Drexel University   Philadelphia, PA
Bachelor of Science in Computer Science   2018 – 2023
5-Year Undergraduate Co-Op Program

Languages

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