

Yufeng Li

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PROGRAMMING SKILLS

- **Languages:** Typescript, Rust, Python, Go, C#
- **Technologies:** AWS, Azure, React, Angular, PostgreSQL, MongoDB, .Net, Gin, Node.js, GraphQL, Docker, Kubernetes

EXPERIENCE

- **Spaice** Markham, CA
Fullstack Developer Mar 2020 - Dec 2022
 - **3D Design Tool:** Developed a 3D design tool allowing users to drag and drop furniture to construct virtual spaces. Responsible for scene construction, camera and item controls, collision detection, and data pipeline management (asset loading and updating). Implemented various controls for walls, ceilings, furniture, modular furniture, windows, etc., and enhanced user experience with snap effects between objects.
 - **ERP System:** Extensive experience in full-stack development for a ERP system, utilizing React for the frontend, Rust for the backend, and PostgreSQL for the database. Led the frontend development, overseeing the creation of key features such as social login/register flow, layout design, interactive charts, and essential pages. Managed message queues, payment web hooks, and facilitated communication among microservices through gRPC calls. Designed and implemented GraphQL API for precise data retrieval of projects, orders, purchase orders, shipments, and project accounting analysis.
 - **Landing Page:** Built the company landing page based on the UI design created by a UI designer. Developed a custom CMS using sanity.io to enable marketing colleagues to update wordings efficiently. Integrated Stripe for subscription handling, payment processing, and backend payment info synchronization. Supported multiple languages and exposed a GraphQL API.
 - **Estimate Generation:** Contributed to the development of price estimation functionality from the 3D design. Collaborated with buyers and marketing teams to sync product prices and make predictions on material costs. Developed data pipelines for automating product info syncing and created API calls for price calculation. Designed a user interface for the product management team to view and batch update product and 3D assets.
 - **Messaging Pipeline:** Implemented a robust messaging system as part of a project, utilizing MongoDB to store previous messages. Integrated Amazon SQS to handle message queuing and ensure reliable message delivery. Leveraged the power of Mailgun API to send email notifications, ensuring seamless communication with users. Additionally, integrated Twilio API to send text messages, enabling instant updates and notifications.
 - **CI/CD & Devops:** Managed deployments and container images on Amazon Elastic Kubernetes Service (EKS) and Elastic Container Registry (ECR). Created continuous integration (CI) workflows using GitHub Actions and executed them on self-hosted machines. This involved setting up efficient CI pipelines, configuring the necessary build and test steps, and automating the deployment process.
- **Ventmere** Markham, CA
Frontend Developer Aug 2019 - Feb 2020
 - **Warehouse Management:** Developed frontend components for a warehouse management system consisting of multiple Angular applications. Implemented complex filters to display tables and interactive charts for sales analysis. Collaborated effectively with the team to ensure seamless integration with the system architecture. Utilized Angular's powerful features to deliver an intuitive user interface, enabling efficient data exploration and enhancing sales analysis capabilities.
 - **Marketplace Sync:** Managed product synchronization with various marketplaces, such as Newegg and Amazon. Implemented batch updates by leveraging APIs and processing Excel/CSV files to generate XML or marketplace-specific formats for seamless syncing of product information and inventory. This involved developing efficient workflows to automate the process and maintain consistent data across multiple marketplaces.

EDUCATION

- **University of Toronto** Toronto, ON
Bachelor of Science in Computer Science; Sept. 2014 - Dec. 2018