YUFENG LI

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Profile

I'm a full-stack developer with 3 years of experience. My expertise includes Rust programming for back-end development as well as React and Angular for front-end development. In addition, I have extensive experience working with Three.js, a powerful 3D graphics library, which has allowed me to develop engaging and immersive user interfaces. My diverse skill set allows me to deliver innovative solutions that exceed client expectations.

Skills

- React, Next.js, Angular, Three.js, GraphQL

- Rust, Node.js, PostgresSQL, MongoDB, grpc

- Docker, Kubernetes

Education

University of Toronto — Honours B.Sc. Computer Science, 2014 - 2019

References

Website: https://yufengli.vercel.app

Experience

Full-stack Developer, spaice — 2020 - Present

- Created a cutting-edge 3D design tool for interior designers using Three.js and React, enabling users to seamlessly drag and drop items within the 3D space and customize the properties of both the room layout and products.

- Architected the back-end using Rust, PostgreSQL, Node.js, and MongoDB technologies, implementing robust GraphQL APIs with Rust and leveraging Rust Diesel to work with PostgreSQL schemas and develop custom functions. Effectively managed Amazon SQS and stored critical data in MongoDB to enhance system reliability and performance.

- Developed high-performance gRPC APIs and effectively utilized gRPC for seamless Rust-Node.js communication within a microservices architecture, ensuring rapid and efficient data exchange across the entire system.

- Spearheaded a complete overhaul of the company website, implementing Stripe for streamlined subscription and payment management. Integrated a customized CMS through sanity.io, enabling other staff to easily modify website content. Provided effective training to ensure smooth adoption of the new system.

- Actively contributed to the maintenance of deployments through Kubernetes and Docker, ensuring optimal system performance and stability while effectively managing containerized applications.

- Collaborated with the team to create a GitHub action-based CI workflow, enabling seamless testing and deployment of code changes with improved speed and accuracy.

Frontend Developer, Ventmere — mid 2019 - early 2020

- Created Angular-based internal systems with interactive dashboards and analytics for marketing and merchandising teams.

- Designed and implemented pipelines to synchronize product data across multiple marketplaces such as Amazon, Newegg, and others, utilizing effective integration strategies to streamline data transfer and optimize system performance.