

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, PostgreSQL, MongoDB, grpc

References

Website: <https://portfolio-derekli19951103.vercel.app>

Experience

Full-stack Developer, spaice — 2020 - Present

- Developed a 3D design tool inside the browser for interior designers using Three.js and React. Users can drag and drop items inside the 3D space and adjust properties of the room layout and products.
- Developed several internal systems for product/order/personnel management and room price estimation using Next.js/React. Handled GraphQL data queries and mutations in React.
- Developed the back-end using the Rust, PostgreSQL, Node.js, and MongoDB stack. Implemented GraphQL APIs in Rust, worked with PostgreSQL schemas using Rust Diesel and created custom functions. Handled Amazon SQS and stored information in MongoDB.
- Created gRPC APIs and used gRPC for Rust-Node.js communication in a microservices architecture.
- Revamped the company website and managed subscriptions and online payments through Stripe. Integrated sanity.io customized CMS and taught other staff to modify content for the website.
- Participated in maintaining the deployments using Kubernetes and Docker.
- Participated in creating a GitHub action CI workflow.

Frontend Developer, Ventmere — mid 2019 - early 2020

- Developed several internal systems using React and Angular, created interactive dashboards and analytics for marketing and merchandising.
- Implemented an Excel reader for product management using JavaScript.
- Designed pipelines to sync product data with various marketplaces like Amazon, Newegg, etc.

Education

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