
EDUCATION

- **University of Waterloo** Waterloo, CA
Bachelors of Applied Science, Mechatronics, Robotics, and Automation Engineering Class of 2018

PROGRAMMING SKILLS

- **Languages:** Javascript (expert), Java, Python, Typescript (proficient), Go, Ruby on Rails (prior experience)
- **Tech:** Node, Express, React, GraphQL, Redux, Postgres, Mongo, Angular, Gitlab CI/CD, CircleCI, Docker, AWS

EXPERIENCE

- **Plastiq** San Francisco, USA (Remote)
Software Engineer Mar 2020 - Present
 - **Internal Tooling:** Lead frontend architect and developer of the internal dashboard React app. Collaborated across departments: risk, financial operations, and customer-service. Influenced engineering best practices across teams and organization for frontend app development. Used technologies such as React, Node, Express, MySQL.
 - **Payment Flow Optimization:** Researched, documented, architected and implemented guest checkout system. Worked on database migrations, React routing changes, authentication, and logic changes to support user flow.
 - **B2C Enablement:** Customer billing via statically generated, SEO-optimized landing pages leveraging server-side rendering technology. Enabling payment requests, and customer invoicing facilitating B2C transactions. Introduced 15.3k new users, \$25M fulfilled payment requests, \$20M additional monthly volume, and 800 new MAUs.
 - **User Engagement:** Increased engagement with 40k users via all-in-one dashboard visualizing cash flow. Leveraged multiple micro-services and implemented a performance-optimal solution using big data tools such as Snowflake Data Warehouse.
 - **Open API:** Collaborated on a white-label payment solution for partners including Brex, Payground, and Billfire that meets OAI 3.0 requirements, built using Swagger. Utilized webhook dispatching, allowing partner's to subscribe to payment updates. \$10M in successful payments via Plastiq. Used technologies such as React, Typescript, Node, Express, AMQ messaging.
 - **Developer Experience:** Collaborated on a library of re-useable React components using Typescript and Storybook, reducing code redundancy across teams. Contributed to developer tools facilitating developer workflow, using Ansible, PM2, HAProxy, Docker.
- **Commit** Vancouver, CA (Remote)
Engineering Partner Jan 2019 - Mar 2020
 - **Northstar:** Security Token Offering platform using digital representations of physical assets. Audited entity facing regulators. Collaborated on a form builder, and full KYC/KYB flow to meet legal requirements.
 - **LO3 Energy:** Platform to help optimize clean energy outcomes for suppliers, developers, and their customers. Issued a blockchain token using EOS.IO, built a marketplace using React, GraphQL, and Redux to facilitate buying and selling of data on an exchange.
 - **Polkadot:** Web 3.0 blockchain technology used to empower cross-chain communication. Worked on React dashboard for telemetry, real-time data visualization for cross-chain transactions.
 - **Eventchain:** Event ticketing system based on Ethereum & Solidity blockchain technology. Developed using Angular, collaborated on migration from monolith architecture into dockerized Node microservices.
 - **Planworth:** Financial planning tool designed for advisors. Collaborated on customer flows using React and GraphQL.
- **Hootsuite** Vancouver, CA
iOS Engineer April 2017 - Sep 2017
 - **Paywall:** Helped design pay flow and implement new user pay wall for iOS devices.
 - **Code Migration:** Worked on migrating codebase from Objective-C implementations to modern Swift codebase.

PROJECTS

- **Lift:** Android app with a focus on simplicity in design and user experience while catering to the needs of both beginners and experts in fitness.
- **Lotus Creative:** Freelancing helping small businesses get up and running with fast & efficient solutions. Working with technology such as Shopify, Wordpress, GatsbyJS, and React.