




Dominik Loncar


Contact

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Skills

Languages: Javascript, HTML, Typescript, Java, Python, C, C++, Bash, CSS, Makefile, R

Tools: Git, SVN, ESLint, React, React Native, AngularJS

Comfortable with Ubuntu, Fedora, Windows and MacOS

Relevant Courses

- Programming on the Web
- Scalable Computing
- Parallel Programming
- Intro to Databases
- Compilers and Interpreters
- Principles of Computer Networks
- Algorithm Design and Analysis
- Data Structures and Analysis
- Intro to Information Security
- Operating Systems

Interests

Snowboarding · Piano
PC Building · Hackintosh
Virtual Reality · Self-Driving

Education

2015 - 2020 **HBSc Computer Science Specialist** (University of Toronto)
• CS GPA: 3.3/4.0



Experience

May 2018 - **TXIO Corp. - Software Engineer**
Present

- Head **Front-End** developer for multiple products (portfolio manager, online brokerage and FX trading platform), managing ~6 other developers.
- Unified multiple fragmented codebases for different products into one **React-based, multi-platform monorepo** that held the code for all current and future products across all devices (iOS, Android, Web) which decreased the development time required to port features, fix bugs and spring up new products.
- Developed a custom **XML** \iff **JS translation layer** which significantly simplified how backend and frontend communicate.
- Developed a **multi-session login** process which allowed for admin users to log into their client's accounts without data bleedover.
- Wrote scripts to perform **automatic deployment to development and live environments** which added automatic backups, improved deployment time and significantly reduced user error.
- Introduced **Expo + Typescript** to our React Native projects which allowed instant app availability for testing and improved developer experience.
- Performed design, development, code review, deployment, maintenance and testing for products on **Web, iOS and Android**. Trained and mentored new employees.

Projects

AWS, Docker **Online Paint**
NodeJS

- An online collaborative paint app with realtime updates over sockets inspired by r/place and hosted on **AWS**.
- Wrote the CloudFormation scripts to bring up/take down **dockerized Node.js servers**, Redis cache and DynamoDB.
- Learned to use different services to optimize the program and use AWS to affordably and securely run my services with auto-scaling.

C **Network File Transfer**

- A command line interface that can be used for efficiently transferring files and folders over a **network**.
- Familiarized myself with **sockets, forking and hashing**.

Java, HTML **Plant Buddy**
Python, JS

- An Arduino-based automatic plant maintenance system which analyzed data about the sunlight intensity, soil moisture and room temperature to determine when to power on the pump and water the plants.
- Familiarized myself with **git, design patterns, GUI** and full-stack development.