

Jay Chowdhary

jay.corsage@gmail.com | github.com/corsage | linkedin.com/in/corsage | (647) - 237 - 1751

Education

Ryerson University

B.S. Computer Science
Minor in Mathematics
Minor in Philosophy
Sept. 2018 - Apr. 2022

Relevant Coursework

Applied Cryptography,
Compilers and Interpreters,
Data Mining, Data Structures &
Algorithms, Operating Systems,
Project Management

Skills

Languages

C#, C++, Java,
Javascript/Node.js, Kotlin,
Python, SQL, Swift

Technologies

AWS, Azure, Docker,
ElasticSearch, Firebase,
MongoDB, MySQL, OpenShift,
Pandas, React Native, React.js,
SciPy

Extracurriculars

RCPC

Member of the Competitive
Programming Club (RCPC) and
the Curriculum Director in 2021.

Oxilight

Member of the Science
Discovery Zone (SDZ) working
with the Oxilight team in 2020.

Experience



Software Engineer | bld.ai

Boca Raton, FL

May 2021 - Sept. 2021

- Modified an existing application to include in-app data tracking to speed up building datasets for classification analysis, resulting in 80%+ accuracy.
- Created a tool to visualize training metrics for PyTorch and Tensorflow to present to stakeholders, increasing confidence on 4 projects for funding.
- Created and released a partnered application using React Native, Firebase, and Django; achieved 1000+ daily active users.
- Integrated a single sign-on (SSO) middleware for existing users onto the new mobile app and web platform, increasing retention rate from 60% to 85%.



Lead Software Engineer | Shomigo

London, ON

Jan. 2021 - May 2021

- Led the development of the official Shopify app used by all 30 partnered stores to manage a combined inventory of 2000+ products on the Shomigo platform.
- Formalized detailed database design models for users, shops, and products with MongoDB and Redis, reducing development overhead and onboarding.
- Automated production and staging builds using CircleCI and Github, standardizing deployments and releases seamlessly.



Full Stack Developer | Linggo

Toronto, ON

May 2020 - Sept. 2020

- Developed an augmentative and alternative communication mobile app in React Native to boost the quality of life for individuals with limited speech.
- Identified and fixed memory management issues in critical areas of the patient app affecting 65% of long-term users.
- Automated build and deployment processes with bash scripts saving 30 minutes of manual work and streamlining procedures per deployment.
- Assisted in migrating to a serverless architecture using AWS Route 53, Lambda, and Cognito, reducing CapEx costs significantly.



Software Engineer | Ministry of Health Ontario

Toronto, ON

Sept. 2018 - Dec. 2018

- Built a universal two-factor authentication system to replace security fobs across health-care units, saving \$50,000 yearly.
- Implemented an extension to Ontario's immunization system for schools and daycares, speeding up data collection and analysis, with 100% data validity.
- Prototyped a web application using blockchain via Hyperledger to showcase immutable history of electronic health records.
- Contributed to the architecture and schema design of a database holding over a million health records adhering to security standards for personal data.