Ryan O'Connor

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Summary

I am a proficient software developer with experience in building and maintaining full-stack software applications, from managing SQL databases to implementing server-side APIs to building client-side web applications.

Experience

Full Stack Developer & Cofounder   AtoB Mobility Inc   March 2023 – Present

- Developed prototype web application and mobile application that allows users to ride-share with drivers.
- Wrote API server hosted on AWS with NodeJS that both front-end applications communicate with for login, searching for car rides, processing payments, etc
- **Used:** *MySQL, NodeJS, Javascript, Stripe API, Mapbox API, Flutter, AWS EC2 and RDS*

Software Projects

- **End-To-End Encrypted Instant Messaging Platform**
  - Developed end-to-end encrypted instant messaging platform where users can send encrypted messages, files, and other media to each other.
  - Developed one-to-one VoIP video calls using WebRTC.
  - **Used**: Web Cryptography API, WebRTC, IndexedDB, NodeJS, PostgreSQL
- **Purdue Northwest Additive Manufacturing Club Website**
  - Helped create a web application for Purdue Northwest's Additive Manufacturing Club that allows customers to request for parts to be printed on 3D printers.
  - **Used:** Typescript, NextJS, React, NodeJS, PostgreSQL

Education

Hammond, IN   Purdue University Northwest   Aug 2020 – May 2024

- **Major:** Computer Science B.S.E
- **Minor**: Computer Engineering
- **Relevant Coursework:** Database Systems, Software Engineering, Networking