

## ABOUT ME

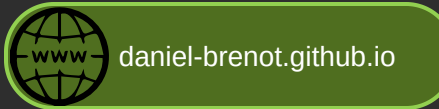
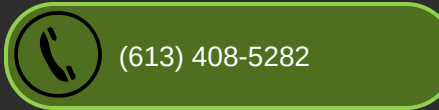
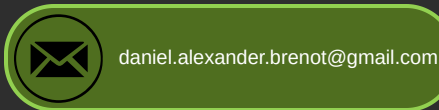
I'm a Fullstack developer with experience creating highly responsive UI/UX using any library or framework needed for the task.

I welcome a challenge that offers a chance to broaden my skillset and get out of my comfort zone.

I thrive well in fast-paced settings and enjoy working in a collaborative environment with teammates. I especially thrive in an agile environment.

## CONTACT INFO

References Available Upon Request



# DANIEL BRENOT

## Fullstack Software Developer



### Work Experience

#### The Weather Network - Senior Software Developer

December 2022 - Present

- Built a node.js and typescript service for authentication abstraction for cross-platform services
- Created a django and langchain backend for an AI chatbot that can answer questions about weather and climate
- Revamped the build system for the react weather radar map to make bundles smaller and faster to load
- Converted long running services to kubernetes cron jobs to cpu usage and cloud costs
- Added new weather data acquisition features to improve accuracy of weather forecasts
- Worked fast during a cybersecurity breach to fix issues with our tv station using node.js and typescript

#### AP Capital - Senior Software Developer

May 2022 - August 2022

- Created a new trading client for pattern day traders using Rust and Tauri
- Created CI pipelines in Gitlab for automatically building and bundling application updates

#### CANARIE - Fullstack Developer

September 2019 - May 2022

- Led the development team in modernizing the existing technology stack by implementing CD/CI and Docker/Kubernetes
- Created CD/CI Pipelines on Gitlab and Jenkins to automatically lint and test code
- Wrote a variety of tests(Unit, UAT, Functional) to verify the behaviour of new features
- Used redis as an event broker for distributed tasks
- Created webservers for network management in python using Django
- Built maintainable and well documented code for key infrastructure
- Created RESTful APIs to use for internal tools

#### The Land Between - Fullstack Developer

December 2018 - September 2019

- Developed a full stack android and iOS application to crowdsource turtle sighting data for researchers across Ontario
- Used typescript and cordova to create a cross-platform app for reporting wildlife sightings in Ontario
- Developed serverside REST API's with express.js for user report submission
- Employed test driven development using karma and jasmine to deliver key features on time



## Education

### Algonquin College

September 2016 - December 2019

Computer Engineering Technology - Computer Science



## Skills

### Languages

- Rust
- Java
- PHP
- GOLang
- C
- C++
- C#
- Lua
- Python
- Javascript / Typescript

### Webserver

- NGINX
- Django Framework
- Apache Tomcat
- Spring Framework
- Express.js
- Node.js
- JWT
- GraphQL
- Open Api / Swagger

### Database

- Postgresql
- MySQL
- Oracle
- MariaDB
- MongoDB
- Redis
- Django ORM
- Mongoose ORM
- JDBC

### CD/CI

- Gitlab Pipelines
- Travis CI
- Jenkins
- Git

### Webpage

- HTML5
- CSS
- SCSS
- JQuery
- Ajax
- JQuery
- Bootstrap
- Angular
- Bootstrap
- React

### OS/Deployment

- Windows
- MacOS
- Linux
- Android
- IOS
- Docker
- Kubernetes/Helm
- Terraform

### Build Tools

- Webpack
- Babel
- Gulp
- Yarn
- NPM
- Maven
- Docker Compose

### Testing

- Mocha.js
- Jasmine
- Karma
- Selenium
- Jest
- JUNIT
- Pytest



## Professional Projects

### **Weather Assistant**

A live chatbot that can answer questions about weather and climate made for The Weather Network

### **GREX Map**

An interactive semi-realtime map of global network infrastructure. Allowed for multiple organizations to contribute a network layout and for them to be combined into a single layout that could then be displayed.

### **Network Traffic Map**

A live map of how much data was being sent within our Canada-wide network using data collected from physical routers across the country with a 5 minute interval

### **Eduroam Reports**

An automated report generator that can be used to track how many students are visiting different institutions and using their wifi services.

### **Turtle Guardians**

A citizen science app for android and ios that allowed for people to report sightings of turtles to conservation authorities. Would allow for tracking gps location

### **START Database**

A collection of information about endangered species in Ontario and last known locations of re-occurring observations



## Personal Projects

### **rust-algotrader**

A rust project for trading securities on multiple cryptocurrency exchanges by performing analysis on orderbook data and making informed high-speed low-latency transactions.

### **node-pty**

A library allowing javascript applications running on node.js to create pseudo-terminals using a native binding.

### **node-binance-fast**

A connector library for binance written in typescript. Allows for placing trades and receiving order updates in real time.

### **cache-size**

A library for getting processor cache size information at runtime allowing for data structures to be optimized for specific hardware.

### **This resume**

This resume was made with html, css and some javascript. This allows me to easily make the resume look however I want.