

# Akhaylin Rajagopaul

Niagara Falls, Ontario, Canada (open to remote, open to relocation) | +1 (289)-696-3889 |  
akhaylin.r@gmail.com | [LinkedIn](#) | [Github](#)

## TECHNICAL SKILLS

**Languages** - Javascript, Python, SQL, PostgreSQL, MySQL, HTML, CSS

**Libraries** - React, React Testing Library, React Router, bcrypt, WTForms, supertest, node-geocoder and geoLib

**Frameworks / Tools** - Node, Express, Jest, Django, Flask, SQLAlchemy, unittest, VSCode, Git, Github

## SOFTWARE ENGINEER EXPERIENCE

### Freelance Web Developer

Dec 2023 – Present

*Veromi Arsiradam Law (this site will be published by Jan 22<sup>nd</sup>)*

- Designed, developed, and deployed a responsive website for a law firm using React to leverage my previously created components and Node to leverage a CMS framework.
- Integrated an automated email system enabling clients to effortlessly schedule consultations through a user-friendly form. This innovation significantly reduces the time lawyers spend on telephone-based client intake.
- Utilized ARIA HTML element tags to ensure high accessibility for people with disabilities, in compliance with Web Content Accessibility Guidelines.

### Software Engineer Intern

Nov 2023 – Dec 2023

*Rithm School*

*San Francisco, CA*

- Revamped student intake forms on the admin side by editing the existing form's model in the database to add an additional field for coding experience. This enhancement was achieved by leveraging Django's ORM and admin panel, allowing the inclusion of the new field in admin forms and enabling more effective data querying capabilities.
- Used SQL CRUD operations via Django's ORM to extract lowest and highest grades from the database, displaying them on each assessment session page for streamlined grade assessment.
- Implemented a custom admin action to generate CSV reports with student data, using an intermediate form for year and quarter selection and complex SQL queries to aggregate data from multiple database tables, enhancing BPPE report efficiency.
- Implemented absence tracking functionality by establishing a new database model and designing a custom admin form to record absences, which improved tracking and querying of absences for private prep classes.
- Collaborated in a team-based environment to practice AGILE software development methodologies, including participating in daily stand-up meetings, sprint planning, and story point estimation, enhancing team efficiency and adaptability in project management.

## TECHNICAL PROJECTS

### Jobly

[Live Demo](#) | [Github\(Frontend\)](#) | [Github\(Backend\)](#)

- Leveraged React to design the component architecture for the front-end, taking advantage of reusable components to display jobs and companies.
- Developed an API following RESTful principles with Express and Node, incorporating middleware route protection, query validation, and secure SQL queries.
- Implemented user authentication/validation using JWT, storing tokens in local storage allowing users to persist login upon closing the browser.
- Achieved 90%+ test coverage, using supertest to write unit and integration tests.

### Warbler

[Live Demo](#) | [Github](#)

- Implemented robust user authentication login/logout functionality using bcrypt, Flask g, and sessions to ensure secure user access.

- Secured user input forms and POST routes with WTFORMS to achieve CSRF protection, maintaining high application security.
- Wrote comprehensive unit and integration tests using unittest, reaching over 95% coverage across the application.
- Leveraged SQLAlchemy ORM to track liked messages and user following data.

## Friendster

[Live Demo\(pending\)](#) | [Github](#)

- Leveraged Reacts reusable components to create a visually appealing messaging service between matches users
- Created a database leveraging node-geocoder and geoLib libraries, streamlining the storage of user location data and facilitating the effortless querying of users within a specified radius for preferred friend connections.
- Used AWS S3 for hosting and delivering images to the application, eliminating the need to store images directly in the database.

## ADDITIONAL WORK EXPERIENCE

### Medical Office Secretary

Jun 2020 – Aug 2023

*Dr K. Rajagopaul Medical Corporation*

Niagara Falls, Ontario

- Oversaw the integration of a new medical management software called Accuro, resulting in 30% decrease in patient processing time.
- Collaborated with office staff to develop and maintain a priority system for patients, allowing us to effectively schedule patient surgeries and follow ups in terms of the severity of their condition.
- Managed inventory and procurement of office medical supplies, ensuring a 98% availability rate and reducing operational costs by 10%.
- Coordinated with other surgeon offices to optimize appointment scheduling and reduce patient wait times.

### Server/Event Coordinator

Jun 2017 – Sep 2022

*Sparks Steakhouse, Skylon buffet*

Niagara Falls, Ontario

- Implemented a new table organization system to optimize seating arrangements, increasing restaurant capacity and turnover by 15%.

## EDUCATION

### Rithm School

2024

Full Stack Web Development Bootcamp

*Remote*

### University of Western Ontario

2022

B.S. Finance Minor Computer Science

London Ontario, Canada