

# BELAL KOURKMAS

SOFTWARE DEVELOPER WITH 3 YEARS OF EXPERIENCE — VANCOUVER, BC

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🌐 [syte1.github.io](https://syte1.github.io)

## TECHNICAL SKILLS

**Languages:** Python, Java, TypeScript, JavaScript, C, C++, HTML, CSS, Kotlin

**Frameworks:** React.js, Redux, Django REST Framework, Node.js, Express.js, Tailwind CSS, Bootstrap, Material-UI

**Skills:** REST APIs, AWS, NoSQL, Git, Visual Studio Code, Windows, Ubuntu, Babel, npm, UI/UX Design, Agile/Scrum

## EDUCATION

**British Columbia Institute of Technology**

**September 2021 – December 2023**

*Computer Systems Technology GPA: 4.0*

*Vancouver, BC*

## RELEVANT COURSEWORK

- |                         |                       |                          |                              |
|-------------------------|-----------------------|--------------------------|------------------------------|
| • Object-Oriented (OOP) | • Web Development     | • Cloud Computing        | • Applied Mathematics        |
| • Programming Methods   | • Relational Database | • Computer Architecture  | • Probability and Statistics |
| • Algorithms Analysis   | • Android Mobile Dev  | • Procedural Programming | • Projects (Agile)           |

## EXPERIENCE

**Clarius Mobile Health**

**May 2022 – January 2023**

*Software Developer Intern*

*Burnaby, BC*

- Enabled CI/CD automatic violation testing on GitHub Actions by comprehensively resolving over 1500 linter violations, which streamlined code review processes, prevented future avoidable bugs, and ensured consistent and readable code.
- Implemented 100% unit testing coverage for a new logging system, as well as unit tests for various other features.
- Resolved front end bugs causing bad database entries by implementing generic form validation for invalid and empty fields, and corrected up to 50,000 bad entries in a PostgreSQL database.
- Reduced technical debt, improved code clarity, and optimized runtime by resolving all violations related to system, naming, complexity, consistency, best practices, refactoring, and OOP across diverse features and code written by multiple developers.

**BCIT CST Programming Methods Course**

**January 2021 – May 2021**

*Teacher's Assistant*

*Vancouver, BC*

- Evaluated students' coding assignments, focusing on conciseness, and provided constructive feedback.
- Aided students in debugging, resolving code issues, and suggested best practices for optimal performance.

## PROJECTS

**Anon Images** | *Full Stack, React, Tailwind CSS, Express.js, Node.js, Linux, AWS EC2, S3, DynamoDB, Route53*

- Developed a full stack image sharing web application using React for the front end and Express/Node for the back end.
- Utilized Ubuntu, PM2, and Apache to host both front end and back end on AWS. <https://belalk.xyz>
- Built front end with React, Tailwind CSS, and back end with Express, integrated AWS EC2, S3, Route 53, and DynamoDB.

**Snack Overflow** | *React, Express.js, Node.js, MongoDB, Socket IO, Responsive Web Design, UI/UX Design*

- Created a mobile-friendly web app using React for the front end and Express.js, Node.js for the back end to allow users to read/create/update/delete snack sharing posts in real time to MongoDB.
- Collaborated in a team of 3 to create a fully functional web app for the 2022 SAP Hackathon in 24 hours.
- Designed a front end using React with a custom CSS library, worked to implement MongoDB, and create a back end API

**Animal Hustler** | *Java, JavaFX, FXGL, Documentation, Planning, Object-Oriented Design, Cooperation, UML, Agile*

- Used object-oriented programming methodology to create a fun and complete Java game that earned 100%.
- Designed a game using UML diagrams, and cooperatively worked with a partner to ship out features, like a MySQL login.

**PokeAPI Pokedex** | *Python, RESTful APIs, Design Patterns, OOP, Documentation*

- Created a Pokedex that uses RESTful API calls to display Pokemon, Stats, Abilities, and Skills from user input.
- Used design patterns such as Chain of Responsibility, and Factories to organize code in an industry standard way.

**Modern React with Redux 2023** | *React.js, Redux, APIs, Express, Node.js, Tailwind CSS, RESTful APIs, JSON*

- Created numerous React projects using HTML5, CSS3, Tailwind CSS, JSX, JavaScript ES6/ES2015, APIs, reusable components, data persistence, hooks, and routing.
- Learned the ins and outs of the toolchain supporting React, including npm, Webpack, Babel, and ES6/ES2015.
- Mastered core concepts of React, Redux, and building RESTful APIs with Express and Node.js.

## AWARDS

**1st place at YVR's 2023 Hackathon**

**May 2023**

*Team 8pes – Crow's Nest*

*Richmond, BC*

- Awarded \$5000 for an AI based project called Crow's Nest that aids YVR Airport with their "NET ZERO 2030" goal.