

# BELAL KOURKMAS

SOFTWARE DEVELOPER — VANCOUVER, BC, CANADA

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## SKILLS

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

**Frameworks/Technologies:** React, Redux, Django, Node, Express, Tailwind CSS, Docker, Git, AWS, Linux

**Technical Skills:** REST APIs, CI/CD, Cloud, Databases, Version-Control, Containers, UI/UX, Design patterns, Unit testing

**Other Skills:** Native English Speaker, Problem-solver, Quick-learner, Creative, Team-player, Cooperative, Self-disciplined

## 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.

## JOB EXPERIENCE

### Clarius Mobile Health

May 2022 – January 2023

Software Developer | Python, Django, Docker, PostgreSQL, Fluentd, Nginx, Prometheus, Traefik, Xorg

Burnaby, BC

- Worked on various tickets from GitHub Issues to contribute to a cloud platform used by over 50,000 clinicians.
- 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, and unit tests for various other features.
- Corrected bad entries in a PostgreSQL database, and implemented generic form validation to prevent XSS attacks.
- 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 on a 7 year old platform.

### Health Gateway Africa Trust

May 2023 – September 2023

Software Developer | TypeScript, React, Fresh, Deno, PostgreSQL, WhatsApp API, Google Calendar API

Vancouver, BC

- Built a React web app for a startup that allows doctors in Africa to manage appointments in their Google Calendars.
- Created a WhatsApp chatbot that allows patients to book appointments with doctors in an intuitive way.
- Deployed features in a team of 5 through branches using GitHub, Heroku, and a CI/CD pipeline.

### ServTennis

September 2023 – December 2023

Software Developer | Python, PyTorch, TensorFlow, OpenCV, Google Collab, Pandas, NumPy

Vancouver, BC

- Created a multi-faceted machine learning model in a team of 5 that helps beginner tennis players analyse their games by visualizing various metrics from their uploaded videos.
- Researched various machine learning algorithms, created metric visualization for player-tracking, ball-tracking, court-detection, shot-placement, pose-recognition, and static background removal.

## NOTEABLE PROJECTS

**Anon Images** | JavaScript, React, Express, CI/CD, Node, Linux, AWS EC2, S3, DynamoDB, Route53, CodePipeline, CodeDeploy

- Created a user-friendly image sharing React app using a NoSQL database, API endpoints, and various cloud services, including an automated CI/CD pipeline between AWS and GitHub.

**Snack Overflow** | React, Express, Node, MongoDB, Responsive Web Design, UI/UX Design

- Created a mobile-friendly web app using React and Express to allow users to read/create/update/delete snack sharing posts in real time to MongoDB using various API endpoints, React features, UI/UX design principles with documentation.

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

- Created a fun and functional Java game using object-oriented design principles, UML diagrams, and an Agile methodology that earned a perfect grade and was a hit with the classmates.

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

- Created a Pokedex that uses 3rd party 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 a professional way.

## EDUCATION

### British Columbia Institute of Technology

September 2021 – December 2023

Computer Systems Technology (Cloud Specialization) GPA: 4.0

Vancouver, BC

## RELEVANT COURSEWORK

- |                           |                        |                         |                              |
|---------------------------|------------------------|-------------------------|------------------------------|
| • Modern React with Redux | • Algorithms           | • Android Mobile Dev    | • Procedural Programming     |
| • Object-Oriented (OOP)   | • Web Development      | • AWS Cloud Computing   | • Applied Mathematics        |
| • Design Patterns         | • Relational Databases | • Computer Architecture | • Probability and Statistics |