

BELAL KOURKMAS

SOFTWARE DEVELOPER — VANCOUVER, BC

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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

RELEVANT COURSEWORK

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|---------------------------|------------------------|-------------------------|------------------------------|
| • 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 |

EXPERIENCE

Clarius Mobile Health

May 2022 – January 2023

Software Developer

Burnaby, BC

- Used Python/Django, Docker, PostgreSQL, and more 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.
- 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 on a 7 year old platform.

Health Gateway Africa Trust

May 2023 – September 2023

Software Developer

Vancouver, BC

- Contracted to build a commercial React application for doctors to schedule appointments with patients in Africa using Preact, Fresh, Deno, PostgreSQL, Heroku, Github, WhatsApp API, and Google Calendar API within a contract term.

ServTennis

September 2023 – December 2023

Software Developer

Vancouver, BC

- Contracted to aid in building a machine learning model that helps beginner tennis players by analysing their games.
- Worked with Python, Google Collab, Pytorch, and Tensorflow to create ML models that visualize and present data.

PROJECTS

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

- Hosted image sharing React app with many AWS technologies, including a full CI/CD pipeline with AWS and GitHub.
- React with TailwindCSS for frontend, Express for the backend.
- Worked with APIs, noSQL database, and focused on accessible design.

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.
- Created API endpoints, various React features, UI/UX, documentation, and testing.

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

- Used object-oriented programming methodology to create a fun and functional Java game that earned a perfect grade.
- Designed using UML diagrams, and cooperatively worked with a partner to ship out features.

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.

EDUCATION

British Columbia Institute of Technology

September 2021 – December 2023

Computer Systems Technology (Cloud Specialization) GPA: 4.0

Vancouver, BC

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.