BELAL KOURKMAS

SOFTWARE DEVELOPER — VANCOUVER, BC

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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*

EXPERIENCE

Health Gateway Africa Trust   **May 2023 – June 2023**
Software Developer (Contract)   *Vancouver, BC*
- Contributed to building a commercial React application from scratch for doctors to schedule appointments with patients in Africa using Preact, Fresh, Deno, PostgreSQL, Heroku, WhatsApp API, and Google Calendar API within a 5-week term.
- Worked in a team of 5 in an Agile environment to deploy versions to GitHub, and Heroku.

Clarius Mobile Health   **May 2022 – January 2023**
Software Developer Intern   *Burnaby, BC*
- Contributed to a cloud platform used by over 50,000 clinicians worldwide using Django, nginx, Docker, PostgreSQL.
- 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.

British Columbia Institute of Technology   **January 2021 – May 2021**
Teacher's Assistant   *Vancouver, BC*
- Evaluated students' Python 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.
- 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.

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.

RELEVANT COURSEWORK

- Modern React with Redux
- Object-Oriented (OOP)
- Programming Methods
- Algorithms Analysis
- Web Development
- Relational Database
- Android Mobile Dev
- Cloud Computing
- Computer Architecture
- Procedural Programming
- Applied Mathematics
- Probability and Statistics

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.