

Belal Kourkmas

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Bio

Software developer with 3 years of professional experience, and 4 years of educational experience.

SKILLS

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

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

Technical Skills : OOP Design, REST APIs, Microservices, Containers, Databases, Unit testing, CI/CD, Version-Control, UI/UX

Other Skills : Native English Speaker, Problem-solver, Detail-oriented, 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 | Full Stack Developer

May 2022 – January 2023

Python, Django, Docker, PostgreSQL, Fluentd, Nginx, Prometheus, Traefik, Xorg

Burnaby, BC

- Made contributions in a team with GitHub Issues to an enterprise-level cloud platform used by over 50,000 clinicians.
- Refactored 90% of a 7-year-old Python/Django Rest Framework code base, following the we-make-python-styleguide.
- Handled migrations to a PostgreSQL database to correct issues.
- Enabled CI/CD automatic tests on GitHub Actions.
- Improved unit testing coverage significantly using a variety of libraries.
- Added generic form validation to prevent Cross Site Scripting (XSS) exploits.

Health Gateway Africa Trust | Full Stack Developer

May 2023 – September 2023

TypeScript, React, Fresh, Deno, PostgreSQL, WhatsApp, Google Calendar API

Vancouver, BC

- Worked in a TypeScript, React environment using Deno and Fresh.
- Implemented a WhatsApp chat bot and the Google Calendar API into a React web app.
- Organized in a team of 5 using GitHub, Heroku, Trello, and Slack.

ServTennis | Software Developer

September 2023 – December 2023

Python, PyTorch, TensorFlow, OpenCV, Google Collab, Pandas, NumPy

Vancouver, BC

- Created a multi-faceted PyTorch and TensorFlow machine learning model in a team of 5.
- Learned an extensive topic within a short period through educational material, documentation, and experimentation.

NOTEABLE PROJECTS

AWS TimeSheet Engine | Project Management, RESTful APIs, JavaScript, Cloud Architecture, AWS, Documentation

- Managed a team of 8 developers to create a feature and service rich, serverless, microservice-based, cloud utility.
- Composed cloud infrastructure utilising 15 AWS services including ELB, Step Functions, API Gateway, Lambda, and more.

Lethal Company Quota Optimizer | Python, Flask, JavaScript, React, OOP, Dynamic Programming

- Created a fully hosted React web app with a React front end and Flask back end.

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

- Created a fully hosted React web app with a React front end, express back end, noSQL database, and AWS services.

Wrath of the Necromancer | Python, Algorithms, Game Design, Documentation, Unit Testing

- Created a fully unit-tested, and playable adventure, MUD-like game in Python. Video in portfolio.

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

- Created an object-oriented, Python program using design patterns including Chain of Responsibility, and factories.
- Utilized a RESTful public API to display relevant information upon requested parameters in a presentable way.

OpenCV Image Recognition Game Bot | Python, OpenCV, Self-learning, Machine-learning

- Created a Machine learning program that can automatically play games with appropriate training data. Video in portfolio.

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

- Created a fully functional Java game with a partner using object-oriented design principles and Agile development.
- Conceived and maintained UML diagram prototypes and iterations.

EDUCATION

British Columbia Institute of Technology

September 2021 – December 2023

Computer Systems Technology

Vancouver, BC