Sam Barefoot, Software Developer / Business Analyst

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PROFILE

Programming Languages: C, C++, C#, Java, HTML-CS-JS, SQL, VBA, PHP, Python, Visual Basic,

Software Adjacent Skills: Project Management Methodologies, Business Analysis, Database Management, UI Design, Q/A Testing Methodologies

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EMPLOYMENT HISTORY

Sep 2020— Present — Developer/Interface Specialist, PPS - Business Solutions Unit — Ottawa, Ont.

- Developed and Maintained a selection of in-house databases
- Developed Testing Schema and automated testing tools for Security Software Packages
- Created Business Requirement Analysis and Documentation for Software Acquisitions
- Conducted Cyber Security Analysis on potential software tools for various departments

Jun 2020 — Aug 2021 — Developer, PPS- IT Operations Unit — Ottawa, Ont.

- Lead design and construction of an Inventory Management and Asset Management System
- Developed an online Mobile Bill Monitoring System. The system is comprised of an SQL Database, PHP back-end, and an HTML/CSS front-end.

Oct 2019 — Jun 2020 — Business Development and Operations Manager, Dugo Inc. — Halifax, NS

- Analyzed and researched researching on Canadian, American, and International Markets
- Overhauled the prior QA workflow, formalized different stages of testing including unit, integration, and regression testing. Also introduced automated testing steps
- Analyzed and improved current processes, overhauling internal systems to render more scalable
- Assisted the dev team via testing new builds and providing feedback and feature suggestions
- Created the Customer Success system, implemented new, more scalable workflows.

May 2019 — Aug 2019 — Developer Intern, PPS-Business Solutions Unit — Ottawa, Ont.

- Interviewed and consulted with communications department in creating the business requirements for a new on-boarding website
- Lead project in constructing a new DMS/CMS system for the OPS Training Department
- Conducted analysis into the feasibility of developing a corporate intranet using SharePoint

EDUCATION

Sep 2015 — May 2020 — Bachelor Degree of Applied Computer Science (Software Development and Business Management), Dalhousie University — Halifax, NS.

Relevant Projects:

- Community Project: Project Managed a team creating an educational video game for Immigration Services Nova Scotia. Functioned as a project manager, database manager, and backend developer. Led a team of 5.
  Community Project: Acted as lead developer in the creation of a fitness tracking application for athletes and coaches at Dalhousie University

- Academic Project: Project involved the creation of a lean start-up in teams of 3. This includes conducting market research into potential competition, figuring out customer segments, revenue models, and cost structure. Also spent substantial time interviewing clients following the IDEO design thinking model.

EXTR ACURRICULARS AND AWARDS

2019 — Winner of the NASA/CSA Hackathon — Halifax

2019 — Participant in the IBM, Deloitte, and RBC Design Thinking Challenge — Halifax

Apr 2019 — May 2019 — Graduate of the Nova Scotia Sandbox "Design Thinking" Program — Halifax