

Vaibhav Kapoor

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SKILLS

LANGUAGES

Python, JavaScript, Go, C/C++/C#, Java, SQL

TECHNOLOGIES

Node.js, TypeScript, React, MongoDB, Docker, Kubernetes, Blockly, Flask, Pillow, Visual Studio, Burp Suite

EDUCATION

UNIVERSITY OF WATERLOO | SEP. 2016 - PRESENT

Candidate for Bachelor of Computer Science, 4A Term

Relevant courses: Operating Systems, Security and Privacy, Algorithms, User Interfaces, Computer Networks

RELEVANT EXPERIENCE

MANULIFE FINANCIAL CORPORATION | SECURITY SOFTWARE ENGINEER CO-OP (PYTHON, REACT)

May. 2020 - Present | Waterloo, ON

- Developed and integrated automatic penetration testing for Jenkins CI/CD pipeline to secure over 50+ applications
- Built internal full-stack applicant tracking system for resume filtration utilizing machine learning
- Performed manual penetration testing on Manulife's entire suite of mobile and web applications
- Configured and deployed Docker containers for usage in Azure Kubernetes Services

BORGIQ INC. | SOFTWARE DEVELOPER CO-OP (NODE.JS, TYPESCRIPT)

Sep. 2019 - Dec. 2019 | Markham, ON

- Developed full stack web application which enables users to utilize robotics process automation (RPA)
- Wrote backend services for RPA components which automate emails, spreadsheet processes, and image recognition
- Created main user experience by designing and implementing core functionality of online RPA workflow editor
- Integrated OAuth 2.0 APIs including GSuite, Gmail, and GCloud Vision for RPA on backend
- Built internal tooling to speed up development of additions to RPA workflow editor by 50%

LEAGUE INC. | FULL STACK DEVELOPER CO-OP (REACT, REDUX, GO, MONGODB)

Jan. 2019 - Apr. 2019 | Toronto, ON

- Developed enrollment platform for servicing over 10K+ users on health benefits experience (HBX) application
- Wrote database services and APIs to integrate new user information with health benefits reporting
- Upgraded internal tooling to automate manual paperwork for League admins

PROJECTS

SMARTBRAIN | REACT, NODE.JS, POSTGRESQL

- A web app built around an image recognition API, identifies the location of a face in image
- User info stored in SQL DB, where each user has a rank based on how many images they've submitted

SORCERY | C++

- Terminal-based card game inspired by Hearthstone
- Group project with 3500+ lines of code made for OOP course
- Modern C++ with MVC/Visitor/Decorator design patterns and smart pointers used

ROBOFRIENDS | REACT

- React frontend app that shows profile cards for users by asynchronously pulling user info from a REST API
- Uses the Robohash API to display unique robot avatar images for each user