CONSULTANT
PROFILE

Harrison Fok

Harrison Fok | LinkedIn | HarrisonFok (github.com)

PERSONAL SUMMARY

I was a Computer Science Co-op student at the University of Toronto at Scarborough specializing in Software Engineering. I have a passion for Full Stack development, React, Java and Python programming languages. Academically, I have succeeded in coding individually and collaboratively. I was part of a team that developed an Android application for flight booking, a Python GUI grading app, and a MERN stack video editing website, all of which resulted in success. Personally, I have strong communication skills, demonstrated through my leadership experience in various organizations/student clubs.

SKILLS

Languages: Java + Android, Python
Libraries/Tools: Tkinter, Docker
Frontend: React, Redux, Bootstrap, Tailwind, HTML5 + CSS3 + JavaScript, Vue.js, Nuxt.js, Socket.io
Backend: Node + Express, Go, Spring, Mongoose, MySQL, Django, .NET C#

EDUCATION

Computer Science Specialist, Bachelor's degree (CO-OP) in Computer Software Engineering, 04/2021.
University of Toronto, Ontario, Canada.

Certifications:
Android N Developer Course, April 17, 2019 (32,5 hours), Udemy
Data Science and Deep Learning with Python, Jan 17, 2019 (12 hours), Udemy

TRAINING

Future Java Software Development: MThree Alumni Program
MThree's Alumni Program provides high calibre Technology and Business focused Graduates globally. Alumni have been selected for and trained to have an aptitude for learning quickly and problem solving in a highly technical environment. Proprietary training focusses on relevant technologies, typical financial systems and core business knowledge. Following training they are available to undertake technical project work for MThree customers which include many global Investment, Retail and Commercial Banks around the world.

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17 State Street,
Suite 600,
New York, NY 10004

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📞 **+1 (631) 771-1703**
✉ **hrteam@mthree.com**
🧭 **mthree.com**

Page **1/3**

Professional Skills

- Soft skills training

Java

- Eclipse and IntelliJ
- Abstraction, inheritance, encapsulation and polymorphism
- Collections API
- TDD using Junit
- Stack, heap and garbage collection
- Concurrency
- Logging using SLF4J&Logback and Log4J
- Exception Handling
- Build management (Ant and Maven)

DevOps fundamentals:

- Introduction to Agile/DevOps
- What is DevOps? Culture, Methodology and Practices
- Agile: Principles and Practices
- DevOps and SRE: Relationship and differences
- Information Security and DevSecOps
- Benefits of DevOps
- How DevOps is applied in the enterprise
- Metrics and Measurement in Enterprise DevOps
- Case studies

Cloud Computing

- Introduction to AWS
- Foundations of Cloud Computing
- Foundations of Storage
- Foundations of Networking
- Cloud Security
- Practical Exercises in Cloud Computing

Linux

- Navigating the file system
- Managing files (cp, mv, rm, chmod, ln, etc.)
- Redirecting I/O (>, <, >>, |, tee, etc.)
- Viewing ad managing processes (ps, bg, fg, kill, etc.)
- Networking and tools
- Filtering and editing files (grep, sed, awk, etc.)
- Writing scripts (for, if, functions, etc.)

SQL

- Queries, constraints, sorting, in-built functions, aggregations and grouping
- Joins
- Creating/changing data, Datetimes

SDLC

- Full application lifecycle
- Waterfall vs Iterative (Spiral, Agile, Continuous)
- Git, Introduction to Jenkins

Containers

- Why Containers?
- Installing Docker, Docker basics
- Building a Dockerfile
- Running with Docker in Production
- Installing Docker on Jenkins
- Jenkins Pipelines CD and a Dockerized App
- Amazon tools: ECS and Autoscaling
- Introduction to Container Orchestration: Kubernetes

WORK EXPERIENCE

01/2019 - 04/2019 | Software Developer (Co-op), University Health Network
- Developed a full stack Go web application using Blue Jay MVC, fulfilling client needs through feature implementation.
- Migrated a huge amount of client data with more than 30 sections into the database of the web application.

05/2017 - 08/2017 | Programmer (Co-op), York Region District School Board
- Developed a web application using .NET C#, JavaScript, Bootstrap, jQuery, and Exchange server to extract daily Outlook appointments.
- Developed a Business Intelligence report by querying multiple tables using SQL Server Reporting Services.

PROJECTS

WeTeach, 04/2021 – Present
- Set up boilerplate for developing the app using Nuxt and FastAPI, allowing CRUD operations for Discussion Forum
- Planned personas and user stories for the app, ordering tasks catered to client needs

BuyMyStuff, 12/2020 - 02/2021 | https://github.com/HarrisonFok/BuyMyStuff
- Developed a MERN stack website to sell my excess belongings
- Implemented frontend and backend of a chat app with socket.io
- Integrated the PayPal API (in sandbox mode)
- Implemented shopping cart, Ask Question page, customer review

Magic Video, 03/2020 - 04/2020 | https://github.com/HarrisonFok/project-team-pepega
- Developed a video editing web application using node-fluent ffmpeg
- Set up the initial code for the MERN stack web app
- Implemented additional features the team wanted to achieve, such as adding transition effects

Python GUI grading app, 09/2017 - 11/2017 | https://github.com/HarrisonFok/L02_04
- Developed a GUI app in Python within a 5 person team with Tkinter, achieving A+
- Connected all features by the end into a working product

VOLUNTEERING

Development Intern, SoCast Digital, July 2017 - August 2017
- Fixed a bug where the DataTables was not able to retrieve value, allowing a Twitter account to be removed with no error messages popping up
- Applied the query builder concept in PHP by making use of the Yii framework and by replacing direct variables with placeholder to prevent SQL injection
- Volunteered once a week