FRANK MACWAN

1901 Martin Groove Road, Etobicoke, ON M9V3T1 | (519) 551-9627

**macwanf@uwindsor.ca | linkedin.com/in/frank-macwan/ | github.com/FrankMacwan96 |
frankmacwan96.github.io/Frank_Macwan_Portfolio/**

PROFILE OF SKILLS

- **8 months of professional work experience** as a Web Developer
- 2-4 years on experience in Software Development through internship, 15+ academics and personal projects and self-study
- Extensive knowledge of web technologies, programming languages and database such as **ReactJS, NodeJS, Python, Django, Flask, MySQL,** and **MongoDB**
- Experience working with **CI/CD pipeline** through project management on **Git,** Designing and developing **REST APIs** and Containerizing tools like **Docker**
- Working in a professional environment provided insights on software development lifecycle, project management using **Jira/Kanban** and code management
- Strong written and verbal communication skills developed through handling responsibilities in projects during full-time coursework, attending weekly team meetings and organizing Techfest

TECHNICAL SKILL

- **Programming Languages/Web Technologies:** PHP, JSON, JavaScript, Python, Java, C++, ReactJS, Redux, NodeJS, Jest, HTML5, Bootstrap, CSS, Sass, ES6, TypeScript, Flask, Django, SharePoint Framework (SPFx), AngularJS 8, Bash, Perl
- **Project Management & Tools:** Scrum/Agile, Waterfall, Iterative, Jira, Confluence, Git, GitLab, Gerrit, Amazon CodePipeLine
- **Documentation Tools:** MS Word, MS PowerPoint, MS Excel, Google Docs, MS Visio, LucidCharts
- **Database Systems:** MySQL, Firebase, MongoDB, PostgreSQL
- **Operating Systems:** Windows, Linux, Debian (Raspbian OS)
- **Software/Tools:** Visual Studio, Eclipse, Sublime, Visual Studio Code, Bluej, Notepad++
- **Cloud Technologies:** Amazon EC2, Lambda, RedShift, IBM Cloud
- **Other:** OAuth 2.0, Gulp, Internet of Things (IoT), OpenCV, Tableau, Facebook Graph API, MuleSoft, Docker, SSRS (Microsoft report builder), Postman

EDUCATION

Master of Applied Computing   Jan 2019 – August 2020
University of Windsor (Windsor, ON)

Bachelor of Engineering, Computer Science   Aug 2014 – April 2018
LDRP-ITR (Gandhinagar, GJ)

EXPERIENCE

Blackberry ltd., Waterloo – ON

Web Software Development Intern   Jan 2020 – Aug 2020

- Worked on a PHP script which generates bulk PDFs of employee's learning history from a MSSQL database, restructured the script and optimized SQL queries to generate bulk PDF efficiently and rapidly making it 70% faster.
- Configured SQL procedures for the employee learning history in Microsoft Report Builder SSRS tool for generating reports
- Solved tickets with work related to JSON, Python, SQL, JavaScript and some software related troubleshooting
- Researched and developed an alternative for the organization's current intranet using SharePoint, Utilized SharePoint framework for developing features using ReactJS.
- Presented Proof of Concept design to stakeholders, manager and director of the team
- Participated in the scrum meetings in the agile team
- Received excellent reviews in performance from the manager and team members

PROJECTS

Notes   August 2020
Technologies: **React, Sass, NodeJS, MongoDB, ExpressJS |** GitHub: Notes
- Created a simple CRUD application for Notes which utilize the RESTful API developed using ExpressJS
- Developed frontend using React, Deployed whole application to Amazon EC2 instance

RELATED PROJECTS (CONTINUED)

Tic Tac Toe Game   July 2020

Technologies: **Angular 8, SCSS |** GitHub: Tic-Tac-Toe
- A Webpart in tabular format for displaying large content in a single page for better viewing and page size optimization, formattable through configuration pane provided by SPFX framework

SharePoint Webpart   April 2020

Technologies: **SPFX framework, React**
- A Webpart in tabular format for displaying large content in a single page for better viewing and page size optimization, formattable through configuration pane provided by SPFX framework

The Bookstore   Aug – November 2019

Technologies: **Python, Django, HTML, CSS, Bootstrap |** GitHub**:** The-Bookstore
- A web application with functionality of browsing books, filtering books according to publishers, name, membership and average ratings, borrowing and purchasing books, reviewing and rating books

AnimeNews   July - August 2019

Technologies: **ReactJS, JSON, Firebase, Sass |** GitHub: Anime-News
(https://www.udemy.com/course/the-complete-react-fullstack-course/)
- A simple web app for viewing news and YouTube videos of Animated TV series
- Automated generation of form which is generated through the configuration information in state
- Integrated user authentication with Firebase OAuth service

Artists-Search   July 2019

Technologies: **React - Redux, JSON, CSS |** GitHub: Artists-Search
- Simple application showing list of artists and a search bar to filter them and accordingly the UI filters the list and shows the artist with matching keyword in search bar. The states are retrieved and handled through redux.

Chatter-Pi   June **-** July 2019

Technologies: **Python, Flask, HTML5, CSS3, Bootstrap, JavaScript, Raspberry Pi 3 |** GitHub: Chatter-Pi
- Implemented a prototype of an IoT system using multiple Raspberry Pi, which communicates text and audio asynchronously via client-server model implemented in python

Fast Find (web search engine) (University of Windsor)   Feb **-** April 2019

Technologies: **Java, AngularJS |** GitHub: Fast-Find
- Created several web services for string tokenization, conversion of HTML into text and word suggestion
- Scrutinized the requirements and documented the project, performed performance analysis in an agile team

AstuteBell   April 2018

Technologies: **Python, Flask, HTML5, CSS3, JavaScript, OpenCV, Bootstrap, Raspberry Pi 3** |
GitHub: Astute-Bell
- Created a working prototype of IoT based automated security system for detecting a person with passive infrared sensors recognizing face using the Pi camera module and the OpenCV libraries and unlocking an electric lock on recognition of face which are registered in the database

TECHNICAL TRAINING

- Learning Docker (LinkedIn Learning)   August 2020
- MuleSoft Developer (Mule 4) (udemy.com)   February 2020
- React Full Stack Course (udemy.com)   November 2020
- Sass Essential Training (LinkedIn Learning)   August 2019
- Tableau 10 Essential (LinkedIn Learning)   August 2019
- Digital Marketing and SEO (Electroweb Solutions, India)   November 2018
- Java Programming (coursera.org)   October 2018