

# Mowahid Latif

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## EDUCATION

### Qwasar Silicon Valley Coding Boot-Camp

San Francisco, California, USA

SOFTWARE ENGINEERING AND FULL STACK DEVELOPMENT

### University Of Manitoba

Winnipeg, Manitoba, CA

BA IN PSYCHOLOGY AND SOCIOLOGY

## WORK EXPERIENCE

### **SMARTREND MANUFACTURING GROUP | FULL STACK SOFTWARE DEVELOPER (FULL TIME)** Winnipeg, MB | February 2021 - October 2022

- Modified and developed specified Enterprise resource planning (ERP) software to manage and guide production and manufacturing activities.
- Helped to monitor and maintain back-end systems to maximize system availability for clients and other departments.
- Coordinated the development and maintenance of in-house internal tools, databases and software to manage and track all testing-related activities and data.
- Used browser developer tools and related extensions to build the front end of the website .
- Communicated with other staff members and departments to gather requirements for internal systems and future development prospects.
- Participated in internal processes, procedures, and workflow discussions which in turn helped to identify opportunities to further improve the effectiveness and efficiency of internal tools.
- Used Selenium to develop bots for automated, web-based testing across a variety of web browsers and devices.
- Used React and other modern JavaScript tools and frameworks to help develop the company website.

### **POISSON CONSULTING | SOFTWARE ENGINEER (INTERNSHIP)** Winnipeg, MB | October 2020 - December 2020

- Developed a Slack Bot using the Slack API w/ Python to help staff and fellow engineers with daily tasks (automating repetitive behaviour, monitoring notifications and alerts and responding to clients with auto-generated replies to minimize miscellaneous tasks).
- Used Python to maintain, manipulate and develop R packages + dependencies for public and customer repositories.
- Peer reviewed code and make modifications to repositories and dependencies.
- Worked with other departments to create and design code for open-source software.
- Optimized packages to increase run-time speed and shorten the length of time needed for data processing and plotting said data.
- Extensive time spent documenting technical processes for other team members and engineers to use and helped with all other duties and projects assigned by the CEO.

### **HEALTHCARE SYSTEMS RESEARCH & ANALYSIS INC | SOFTWARE DEVELOPER (INTERNSHIP)** Winnipeg, MB | July 2020 - September 2020

- Implemented HTML, CSS and JavaScript to build, design, and maintain company desktop and mobile applications and to help deploy new features, tools and devices.
- Generated and designed a mobile app with Figma and engineered said app with Flutter, Kotlin and Swift.
- Helped other teams reprogram, update and dissolve bugs and to apply reusable code that makes implementation more effective, eases scaling and secures web services' APIs.
- Strengthened and accelerated bio-metric data processing and displayed said data collection with Fire-base as the acting database.
- Worked with other teams to develop dashboards and analytical platforms for data management and used said platforms to plot data graphically for potential clients.

## RELEVANT SKILLS

- Programming Languages: HTML/JQuery, CSS/SCSS/BootStrap/CSS-Modules, JavaScript(React/Redux), Typescript, C/C++ and Python.
- Databases related Technologies: SQL, PostgreSQL, MongoDB, ExpressJS and NodeJS.
- Other Technologies: Git(Version Control Systems), Docker, Microsoft Word, Excel and  $\LaTeX$ .
- High quality mathematical, analytical, and problem-solving skills and the ability pick up new technologies and concepts quickly with great detail and accuracy.
- Identifying bottlenecks, bugs, and devising solutions to address issues with strong communication skills and rapidly test solutions.
- Develop software that expands to a variety of browsers and devices.
- Ability to design, develop, test, implement, document and maintain low-latency, high-availability, and performant software development solutions for companies and clients with careful considerations in regards to security and ability to scale.
- Considered to be a reliable and positive team-player who is adaptable, open minded, enthusiastic, and takes initiative with an Entrepreneurial mindset and has a relentless desire to continuously improve and learn.
- The ability to maintain multiple websites/projects for more than extender period of time.

## TECHNICAL PROJECTS

### EXOTIC CAR RENTALS

A front end website designed for a hypothetical car rental website built using HTML, CSS, JavaScript and React. With the website comes a payment feature and ways to contact the web host. Bootstrap was also implemented.

### CASINO NIGHT

Made using HTML, CSS, JavaScript and React, this website was designed for casinos, to create a fun and lively feeling. Some features include functioning messaging board, responsive buttons and design and email subscription section.

### MODERN INTERIOR

Built using HTML, CSS, JavaScript and React, this website has a calming undertone with a welcoming and dynamic layout. Some features include a google maps integration and a responsive design.

### MINE SWEEPER ARCADE GAME

With the help of HTML, CSS, JavaScript and React, i recreated a classic arcade game. All rules for the game was replicated perfectly and the game is playable with both right click and left click functionality.

### PRINTF FUNCTION

Used C to re-create the "printf()" function, everything from variable usage and string integration's, to passing in functions and edge cases considered. This project was designed to display both ingenuity and my fundamental understanding in regards to the software at hand.

## REFERENCES

### ALEXANDRE SOUSA

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HEAD OF SOFTWARE ENGINEERING

### MONIQUE LASHLEY

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DIRECTOR OF HR