JACQUES MATHIEU

web/software developer
at Riis, LLC

EDUCATION

Northeastern University   Boston, MA

Khoury College of Computer Sciences   09/2014 – 03/2019

bachelor of science in computer science & music
dean's list | last 2 semesters

Cranbrook Kingswood High School   Bloomfield Hills, MI

FTC robotics team co-captain & lead software dev.   2009-2014
AP scholar & FTC world championship finals '10, '11, '14

WORK EXPERIENCE

Skyward.io   Portland, OR

Front End Developer (Remote)   10/2021 – 05/2022

- maintained and added enhancements to Skyward's client-facing web application
- prioritized development and improvement of front-end components using React, SCSS and Google Material UI
- refactored monolithic components to improve testability and malleability
- worked with technologies such as Redux, Cypress and Jest to ensure code quality
- helped pioneer development of a new Skyward web app using React, MobX and JSDocs, with a focus on built-in accessibility and slim distribution size
- created foundational features such as locale support & offline capabilities using service workers

Verizon: 5G Disruption   Irvine, CA

Software Engineer (Remote)   07/2021 – 09/2021

- aided in the creation of two entirely new codebases, written in Python and Typescript (TS) respectively
- shared, learned, and established norms as part of a new team of developers
- acquired knowledge on how to use Docker, Windows Subsystem for Linux (WSL), and other helpful tools to assist in the develop and deploy process
- implemented TypeDoc in the TS project to automatically generate code documentation
- wrote tests using Jest (TS) as a test framework and mocked external dependencies where applicable
- helped work on pre-commit hooks to run tests, linting, and other checks to ensure code quality

Ford Credit: Account Manager   Dearborn, MI

Full Stack Developer   12/2019 – 07/2021

- helped modernize the Account Manager (AM) web application to improve the experience for customers looking to monitor their vehicle expenses, extend their lease, etc.
- improved my TDD, pair programming skills and learned the inner workings of a complex web app
- employed Angular, NgRx & SASS on the front end of the app and used Spring Boot & Java for the backend
- automated deployment and testing processes using Jenkins pipelines and git hooks (where applicable)
- learned the workings of Pivotal Cloud Foundry and how to host an application on such a server
- investigated production incidents using Splunk and Dynatrace to diagnose system failures and culpability
- created Splunk dashboards and alerts for new features to keep track of failures and stop them as quickly as possible in the event of a production issue
- implemented and consumed APIs to provide others with information unique to our team or to offload business logic from our codebase
- incorporated Postman collections to automate integration and end to end testing of our application

CONTACT

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☎ (248)-410-5877

💻 tinyurl.com/jmath-portfolio

🏠 Clawson, Michigan

TECHNICAL SKILLS

`<·>` Spring Boot, Java, JUnit, Python, VBA, R, C, C++, RobotC, ACL2s, Racket.

📶 CSS, HTML, SASS, TypeScript, JavaScript, Angular, NgRx, React, MobX, Bootstrap, Postman, Selenium, Protractor, PHP, JQuery

🗄 SQL, Apache CouchDB, Splunk, Dynatrace, Pivotal Cloud Foundry

🛠 Github, Jenkins, VSCode, IntelliJ, Brackets.io, PyCharm, VIM, TMUX, Sublime, Notepad++, Eclipse IDE, Netbeans

🎧 Expert in Ableton Live, Max/MSP, Adobe Photoshop, Microsoft Office

OTHER SKILLS

Business level of the French language

Classically trained pianist; play on occasion to pass the time

Electronic music producer (my work can be found using the link to my website above)