

# Maria Pavlovic

## EXPERIENCE

### Full Stack Developer

Uptake Canada Inc

January - April 2021

- Delivered a new document editor built with Angular and GrapesJS, reaching over 30,000 users to create and edit documents independently, eliminating the need for developer involvement and saving 100-250 hours per year
- Wrote API endpoints using NestJS and new frontend components with Ext JS to integrate a data analytics tool into the machinery monitoring application (EL/CMP) for automating lab result interpretations, allowing for faster processing of fluid samples
- Created REST APIs and Jest unit tests for EL/CMP fluid samples Search Page as part of migrating over from MS SQL stored procedures
- Took on full ownership of new features to be implemented, from performing the initial business analysis and creating tickets, to presenting demos of the finished feature to the Product Management team

### Quality Engineer

WorkMarket, an ADP Company

June - August 2020

- Created and stabilized Mabl tests across several SPAs, allowing for more accurate UI testing and improved visibility of test results through Slack alerts
- Added a filtering layer to a subset of the logging infrastructure in order to mask sensitive client information
- Wrote API tests for user permissions as part of introduction of new user role type to the company

## PROJECTS

### iOS Pomodoro Timer — *GitHub-iOS-pomodoro-timer*

- Developed a “Pomodoro” timer in Swift that helps the user study more efficiently by timing a study period followed by a shorter break period
- Added a view to let user choose the length of study and break minutes, as well as the number of rounds to repeat the timer
- Built fully programmatically in XCode using Apple’s UIKit framework

### Shared Tracks Playlist — *GitHub-shared-tracks-playlist*

- Utilized the Spotify API to automatically create a new playlist containing common songs between two user’s playlists
- Built a web application using React and Material UI, and wrote additional API endpoints with Flask and Python

## EDUCATION

University of Waterloo, September 2019 – April 2024

Bachelor of Applied Science in Computer Engineering

## CONTACT

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## LINKS

[github.com/mariapavlovic](https://github.com/mariapavlovic)

[linkedin.com/in/mariapavlovic](https://linkedin.com/in/mariapavlovic)

[mariapavlovic.com](https://mariapavlovic.com)

## SKILLS

### Programming Languages

C++, Python, Java, Swift, SQL, TypeScript, JavaScript, HTML, CSS, MATLAB

### Frameworks

Angular, NestJS, TypeORM, Jest, Jasmine, GrapesJS, Sencha Ext JS

### Tools & Technologies

Git, MS SQL Server, Postman, XCode, JIRA, Mabl, IntelliJ

## LANGUAGES

English

French

Serbian

## INTERESTS

Painting

Photography

Hiking

Piano (achieved Level 8 RCM)

## RELEVANT COURSES

Systems Programming and Concurrency

Embedded Microprocessor Systems

Data Structures and Algorithms

Fundamentals of Programming