Maria Pavlovic

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SKILLS

- **Languages**: Python, JavaScript, Java, C, C++, SQL, Swift, HTML5, CSS3, MATLAB
- **Frameworks**: Angular, React, NestJS, Jest, Jasmine, GrapesJS, Sencha ExtJS, TypeORM, Knex.js
- **Tools & Technologies**: Git, PostgreSQL, MS SQL Server, Linux, Postman, Docker, IntelliJ, XCode

EXPERIENCE

Pitstop
Backend Developer | September – December 2021
- Wrote new APIs and updated React frontend to implement new features on the User Dashboard
- Updated existing APIs to stabilize functionality and improve testing, and added Jest tests to increase coverage
- Worked on PostgreSQL database, creating migration scripts to go along with new UI features, and Python scripts to facilitate large-scale database updates

Uptake Canada
Full Stack Developer | January – April 2021
- Collaborated on building and launching a new document editor built with GrapesJS to 30 000+ users, allowing them to create and edit documents while eliminating the need for developer involvement, saving 100-250 hours per year
- Created API endpoints using NestJS and new frontend features with Ext JS to integrate a data analytics tool into the machinery monitoring application (EL/CMP), showing new automated lab result interpretations to users
- Wrote REST APIs and Jest unit tests for EL/CMP Search Page to migrate over from MS SQL stored procedures

WorkMarket, an ADP Company
Quality Engineer | June – August 2020
- Increased accuracy of UI testing by creating and stabilizing Mabl tests across several SPA's, and improved visibility of test results through Slack alerts
- Masked sensitive client information by implementing a filtering layer to a subset of the logging infrastructure
- Wrote API tests for user permissions as part of introduction of new user role type to the company

PROJECTS

Pomodoro Timer — *GitHub-iOS-pomodoro-timer*
- Developed a timer iOS application in Swift, which follows the Pomodoro technique for time management
- Users can choose the minutes for study and break periods, as well as the number of rounds to repeat the timer
- Built fully programmatically in XCode using Apple's UIKit framework

Our Shared Tracks — *GitHub-shared-tracks-playlist*
- Used 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

Water! Your! Plants! — *GitHub-soil-moisture-sensor*
- Used sensors to read the moisture level in soil, connected to a Raspberry Pi
- Wrote a Python script that sends emails to the user if the soil reading is dry, alerting them to water their plants

EDUCATION

University of Waterloo
Bachelor of Applied Science in Computer Engineering | September 2019 – April 2024
- Relevant Courses: Systems Programming and Concurrency, Data Structures and Algorithms

LANGUAGES

English, French, Serbian