

Maria Pavlovic

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SKILLS

- **Languages:** Java, Go, Python, C, C++, SQL, TypeScript, JavaScript, HTML, CSS
- **Frameworks:** Spring, jOOQ, React, NestJS, Jest, TypeORM
- **Tools & Technologies:** Git, PostgreSQL, MongoDB, RabbitMQ, Kubernetes, MySQL, Postman, Docker, IntelliJ, XCode

EXPERIENCE

Carta

Software Engineer Intern, Backend | January – April 2023

- Contributed significantly to a top priority project for the LLC team; integrating the Financial Reporting tool into the LLC product, built out new APIs in Java with Spring Boot, requiring complex queries to the database written in jOOQ
- Took on high priority on-call ticket, writing scripts for production database changes to aid a large client of LLC

Flybits

Software Engineer Intern, Backend | May – August 2022

- Redesigned internal auditing pipeline in Go to remove unnecessary dependencies between services and achieve more reliable RabbitMQ messaging
- Worked on automating data migration for a high traffic service to deprecate Postgres database in favour of MongoDB

Pitstop

Software Engineer Intern, Full Stack | September – December 2021

- Wrote new APIs and updated React frontend to implement new features on the User Dashboard
- Stabilized functionality and improved testing of existing APIs, 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

Software Engineer Intern, Full Stack | January – April 2021

- Collaborated on creating a document editor built with GrapesJS to 30 000+ users, allowing them to create and edit documents without requiring developer involvement, saving developers 100-250 hours per year
- Built APIs using NestJS and new frontend features with Ext JS to integrate a data analytics tool into a machinery monitoring application (EL/CMP), which added a new automated lab result interpretations view to users
- Wrote REST APIs and Jest unit tests for the EL/CMP Search Page to deprecate use of MS SQL stored procedures

WorkMarket, an ADP Company

Quality Engineer Intern | June – August 2020

- Increased accuracy of UI testing by creating and stabilizing Mabl tests across several SPAs, and improved visibility of test results by adding Slack message alerts
- Wrote API tests for user permissions as part of introduction of new user role type to the company

PROJECTS

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

EDUCATION

University of Waterloo

Bachelor of Applied Science in Computer Engineering | September 2019 – April 2024

- Relevant Courses: Real Time Operating Systems, Systems Programming and Concurrency, Data Structures and Algorithms, Computer Networks, Database Systems