Matia Raspopovic

Software Developer

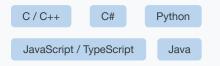
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Website S GitHub C LinkedIn in

Availability

4 months starting May 2023

Languages



Technologies

Cloud: AWS Certified Cloud Practitioner, Google Cloud Platform

CI/CD: TeamCity, GitLab

Databases: PostgreSQL, SQLite Machine Learning: Keras, Numpy OS: Linux, Windows, MacOS Project Management: Agile, Jira Platforms: Docker, Kubernetes Testing: Postman, Swagger, XUnit Version Control: BitBucket, GitHub Web: .NET Core, Node.js, React.js,

Express.js, CSS, HTML5

Relevant Courses

Algorithms and Data Structures
Database Management Systems
Discrete Mathematics
Machine Learning
Operating Systems
Software Engineering
Systems Programming
Web Development

Interests

Artificial Intelligence
Guitar
Reading
Rugby
Skiing
UX Design

Education

Bachelor of Computer Science, Carleton University, Ottawa, ON

- Third Year Standing, Honours
- Minor in Business

High School Diploma, Sacred Heart High School, Stittsville, ON

Ontario Scholar, Honour Roll Designation

Professional Experience

Software Developer Co-op, Geotab, Waterloo, ON

May 2022-August 2021

2019-2024

2019

- Developed an O(nlogn) algorithm that aggregates real-time vehicle position, speed and ignition data using overlapping time intervals. Facilitated the ingestion and delivery of third-party GPS data to end-user applications. (C#, .NET Core)
- Implemented an asynchronous error-handling strategy to reduce internal server errors when sending requests to the Ford Commercial Solutions API. (HTTP, REST)
- Improved security and infrastructure by standardizing environment configurations and migrating code secrets to a secure third-party platform. (Hashicorp Vault, MVC)
- Identified the need for and added a feature to generate thousands of mock event messages to aid message-oriented middleware testing. (Google Pub/Sub, Blazor)
- Achieved 100% unit test code coverage for all changes. Leveraged system logging tools to trace software execution and functionality. (XUnit, Google BigQuery, SQL)
- Practiced Agile development by presenting in sprint demonstrations and contributing to planning sessions to influence API design decisions. (Agile, Jira)

QA Automation Developer Co-op, Ciena, Ottawa, ON May 2021-December 2021

 Developed test automation and monitored nightly regression builds. Discovered 20+ software defects of major priority and collaborated with developers to successfully investigate and devise solutions to bugs.

(JavaScript, Postman, REST, BitBucket, TeamCity, Kibana)

- Leveraged recursive techniques to develop a path-counting algorithm for network graphs. Reduced runtime complexity by implementing adjacency matrices.
- Utilized network simulator APIs to develop and maintain tools for performing fiber-breaks which became widely used across the company.

Applied Projects

Co-Founder, Advantage Academy, Ottawa, ON

September 2020-Present

- Developing automated solutions for billing and payroll processes to streamline bookkeeping and reduce human error. (Google APIs, TypeScript, PostgreSQL)
- Building and maintaining the company website with emphasis on inbound marketing strategies to achieve a minimalist design. (CSS, HTML5, Webflow)
- Hiring and managing a team of tutors, overseeing schedules and providing curriculum resources to form teaching strategies in video conferencing lessons.

Extra-Curricular Activities

Mentor, Science Student Success Center, Carleton University March 2020-March 2022

- Counselled computer science students on strategies to achieve academic success.
- Hosted version control software workshops that educated a dozen students on how to incorporate Git into their studies and contribute to open-source projects.

Athlete, Men's Rugby Team, Carleton University

August 2019-August 2022

 Applied strong communication and rigorous work ethic to play a pivotal role in a 2019 championship victory and successful playoff campaign in the 2021 season.