

Parisa Moshfegh

Software Developer

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View my portfolio at [myPortfolio](#)

[myLinkedIn](#)

[myGitHub](#)

Driven software developer with 5+ years of experience designing and building scalable applications. Skilled in both frontend and backend technologies, with a proven ability to enhance user engagement and drive project success. Passionate about continuous learning, delivering high-quality solutions, and fostering team growth.

Skills

- **Backend Development:** Java, Node.js, Express, Python, C++
- **Cloud & DevOps:** Docker, AWS (DynamoDB, S3), Google Cloud, CI/CD (GitHub Actions, Bitbucket Pipelines), Deployment Automation, Infrastructure as Code, Google Cloud Platform (Monitoring & Logging)
- **Databases:** PostgreSQL, MongoDB, SQL
- **APIs & Architecture:** REST, GraphQL, Microservices, Serverless Architecture, Webhooks (Braze Event Tracking & Automation)
- **Testing & Automation:** JUnit, Jest, Cypress (Integration, Unit Testing and End-to-End Testing)
- **Frontend Technologies & UI/UX & Design:** React.js, Redux, TypeScript, Vue.js, Responsive Design, Accessibility, SEO, Figma
- **Tools & Methodologies:** Git, Bitbucket, Agile (Scrum), Jira

Work History

Software Developer

07-2022 - Present

[OwnersBox](#), Kitchener, ON

- **Backend Development:** Designed and implemented the architecture for OwnersBucks 2.0 using **Java**, enhancing **scalability** and supporting seamless user engagement.
- **Full-Stack Development:** Streamlined user registration with a multi-page onboarding flow using **Vue.js**, **reducing fraudulent account** creation. Developed and optimized the frontend for **deposit and withdrawal functionality**, integrating Fiserv for secure online payments.
- **Payment Concurrency Resolution:** Diagnosed and resolved critical payment concurrency issues using **SQL and BigQuery**, improving transaction reliability and user trust.
- **Event Tracking & Automation:** Designed and implemented event tracking with **Braze**, leveraging **webhook APIs** to enhance user personalization and engagement.
- **Logging and Monitoring:** Performed **on-call responsibilities** to monitor application health and resolve incidents using Google Cloud Platform tools, **ensuring uptime and reliability**.
- **Feature Optimization:** Launched features like Battle Passes and redesigned the lobby interface, **scaling game activity from 1M to 10M** entries and driving user engagement and revenue.
- **Testing & Quality Assurance:** Increased code reliability by 80% with comprehensive **Jest testing** and **JUnit** on the backend.
- **API Security:** Developed secure APIs for password resets, enhancing account security and trust.
- **Leadership & Mentorship:** Led a cross-functional team of 5 for marketing projects and mentored 4 co-op students, fostering growth and project success.

Frontend Software Developer

10-2021 - 07-2022

[BonjourResidences](#), Montreal, Quebec

- Developed a new **responsive** platform from the ground up using **React, CSS, Bootstrap, JavaScript, Django**, and **Webpack**, ensuring a **scalable** and maintainable architecture.
- **Optimized** page load times by 29% through performance-focused coding practices, enhancing **site speed** and user experience.
- Designed and implemented a responsive **React-based** map feature, enabling users to find nearby housing options based on specific criteria.
- Reduced platform bugs by 40% through proactive maintenance, ensuring a seamless and reliable user experience.

Computational Organic Research Assistant

University of Montreal, Montreal, QC

01-2020 - 07-2022

- **Cancer Research:** Research in collaboration with Servier Inc. Designed compounds using **Python scripts** to be synthesized.
- **Project Management & Publication:** Managed **3 separate research** projects, published 1 paper in **Nature Communications**.

Organic Chemist at Faculty of Pharmacy

Faculty of Pharmacy, Lille

12-2018 - 04-2019

Education

2020-09 - 2021-06

Ph.D. Candidate: Computational Chemistry

University of Montreal - Montreal, QC

2018-09 - 2020-08

Master of Science Chemistry, Biology And Drug Design

University of Strasbourg - Strasbourg

2015-09 - 2018-07

Bachelor of Science

University Of Grenoble Alpes - Grenoble

Certificates

- AWS Machine Learning Engineer nanodegree
- Scaled Agile Certificate

Languages

English, French and Farsi