

Pavel Karmaker

Full Stack Developer | 514-971-6875 | pkarm042@uottawa.ca | <https://github.com/pxvelk> | <https://www.linkedin.com/in/pavelkarmaker/>

TECHNICAL PROFILE

Languages: Java, Python, JavaScript, C, Swift, HTML/CSS, Arduino, SQL, Kotlin

Tools and Technologies: Linux, Git, React.js, React Native, Next.js, Xcode, Maven, Docker, Junit, Firebase, Jenkins, QNX

Project Management: Agile/Scrum, Azure DevOps, JIRA, Confluence, Github Issues

RELEVANT WORK EXPERIENCE

Software Quality Assurance Intern

January 2024 - August 2024

Matrox, Dorval, Quebec

- Conducted validation tests on SDKs, APIs, drivers, firmware to guarantee reliability and functionality
- Contributed to test plans and cases for hardware and software components, using TestRail for documentation and Jira for issue tracking, enhancing product quality
- Collaborated with engineering and support teams to resolve product-related issues efficiently

Manager

June 2021 - August 2022

Econofitness, Laval, Quebec

- Hired, trained, mentored, and supervised clerks
- Ensured that memberships sales objectives are met by recruiting members and controlling gym expenses
- Ensured sound management of gym operations (opening/closing, schedule, inventory, maintenance)

Mathematics and Science Tutoring Coordinator

March 2020- Present

Jeunes Branchés, Laval, Quebec

- Assisted and trained tutors to guide students who need tutoring
- Planned, created publications, and analyzed the progress of the status of social media accounts
- Developed strong critical thinking skills by evaluating student assessments and creating solutions to test/quiz problems

PROJECTS

Shelf Life App

- Developed an app using React Native to aid households track their groceries via UPC/EAN barcode scanning
- Integrated the OpenFoodFacts Api to allow users to access over 1 million international products
- Leveraged Firebase authentication and Firestore Database to store user information

Event Management App

- Led the development of an Android app that enabled event management for users
- Developed the UI with XML and used Java to validate all fields and perform CRUD operations
- Generated dynamically content, stored user information, and authenticated all users through Firebase
- Used Git for version control and utilized branch workflow to minimize merge conflicts between developers

Sudoku Solver Website

- Deployed a Sudoku-solving algorithm employing the backtracking strategy
- Designated a responsive website by following the mobile-first ideology and using CSS Grid and CSS Flexbox
- Implemented the Fetch API to retrieve data from a JSON API, streamlining external data integration

EDUCATION

Candidate for Bachelor of Applied Science in Software Engineering (CO-OP)

September 2022 – December 2026

University of Ottawa [Ottawa, ON]