

# Gyeongwon (Patrick) Kim

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## PROFILE SUMMARY

Experienced software developer proficient in full-stack development, specializing in both frontend and backend technologies. Skilled in designing and implementing robust features, optimizing performance, and ensuring code quality through comprehensive testing. Proficient in CI/CD pipelines and version control systems like Git. Capable of developing scalable web applications and mobile apps using modern frameworks and languages such as Python, JavaScript, and Java. Strong analytical and problem-solving abilities with excellent communication skills. Dedicated to delivering high-quality software solutions through effective collaboration and attention to detail in an Agile development environment.

## EDUCATION

- Bachelor of Computer Science – University of New-Brunswick** **Sep 2020 – Apr 2024**

## SKILLS HIGHLIGHTS

Full stack development	Test Automation	Test Case Design
RESTful API design	Security & Regression Testing	Agile Methodology
Continuous Integration	Object oriented programming (OOP)	Continuous Deployment
Bug Tracking	Defect Management	Project Management
QA & QC Standards	Mobile Application Testing	Analytical & Design Aptitudes

### Technical Skills

- Programming Languages:** Java, C, Python, JavaScript (NodeJS, ReactJS, Jasmine, Selenium), MATLAB, HTML/CSS, Kotlin
- Software/OS:** Linux Bash, MySQL, PostgreSQL, Git, AWS, Jenkins, Hadoop

## PROFESSIONAL WORK EXPERIENCE

### **Software Development Engineer in Test Co-op – CVENT, Fredericton NB** **Jan 2022 – Aug 2022**

- Spearheaded development of 50+ end-to-end test automations, ensuring product reliability and quality enhancement.
- Leveraged Jenkins for continuous integration, analyzing test outcomes, and collaborating on solutions with development.
- Conducted accessibility tests, diligently reporting issues to enhance product inclusivity and usability.
- Actively engaged in bug bashes for new feature rollouts, contributing to comprehensive quality assurance efforts.
- Orchestrated feature version upgrades, optimizing system reliability through AWS management and end-to-end testing.
- Maintained peak performance via meticulous troubleshooting, ensuring seamless product deployments and operational excellence.

### **Web Server Administrative Assistant – Pathfinders charity, Fredericton NB** **July 2018 – Aug 2021**

- Administered cPanel and Web Hosting Manager, monitored remote server metrics for optimal performance.
- Created web server backups to safeguard data integrity and facilitate seamless recovery processes.
- Deployed Google Search Console and Bing Webmaster Tools for optimizing search engine performance.
- Set up Google Analytics and Google Tag Manager to track and analyze visitor engagement and interests effectively.

## Projects

### **Mobile Fitness App (Kotlin)**

- The app monitors the user's running speed and generates sounds that become more intense if the user slows down, encouraging them to maintain or increase their pace.
- Users can compete with others by seeing who has maintained their running speed for the longest duration, adding a gamified element to the fitness experience.
- Successfully implemented real-time speed tracking and sound generation using Kotlin and the Android SDK.
- Exhibited dedication to software quality by instituting & managing thorough unit tests, ensuring application reliability & robustness.

### **Web Application Development Using REST API (HTML, CSS, VueJS, Flask, MySQL)**

- Developed a dynamic web app with a Python backend and Vue.js frontend.
- Managed relational database (MySQL) for data interactions.
- Implemented RESTful APIs and integrated with front-end services, ensuring secure and scalable data handling.
- Utilized Agile/Scrum methodologies for project management, actively participating in sprint planning, reviews, and retrospectives.
- Documented solutions with comprehensive flowcharts, diagrams, and clear code comments.