Gyeongwon (Patrick) Kim

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PROFILE SUMMARY

Experienced QA/software developer proficient in software testing, test automation, and Agile methodologies. Skilled in designing test cases, developing test strategies, and executing regression tests to ensure software quality. Experienced in CI/CD pipelines and version control systems like Git. Capable of conducting performance and security testing, as well as API and mobile application testing. Strong analytical and problem-solving abilities with excellent communication skills. Dedicated to delivering high-quality software solutions through effective collaboration and attention to detail.

CORE COMPETENCIES

- Expertise in designing, testing, and deploying effective test automation solutions
- Well-versed in writing automation scripts and implementing software applications
- Participate in all agile ceremonies: sprint planning, review, retrospectives, and daily standups
- Detail-oriented with critical thinking and problem-solving skills to resolve issues
- Exceptional verbal and written communication skills to interact with stakeholders
- Great organizational and management skills to prioritize and handle multiple projects

SKILLS HIGHLIGHTS

Software Testing	Test Automation	Test Case Design
Test Strategies & Coverages	Security & Regression Testing	Agile Methodology
Continuous Integration	Performance Testing	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), MATLAB, HTML/CSS, Kotlin
- **Software/OS**: Linux Bash, MySQL, PostgreSQL, AWS, Jenkins

PROFESSIONAL WORK EXPERIENCE

Software Development Engineer in Test – 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.

Research Assistant – Limerick Pulp and Paper, Fredericton NB   Jan 2020 – Mar 2020
- Delivered meticulous quality testing for papers, ensuring adherence to rigorous standards and specifications.
- Organized and categorized chemicals systematically, enhancing efficiency and safety within the laboratory setting.
- Conducted precise acidity tests on cooking liquor using titration methods, ensuring accurate measurements.
- Upheld cleanliness standards in the laboratory environment, fostering a conducive workspace for scientific endeavors.

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
- 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
- Crafted a dynamic web app with Python backend, managing RESTful APIs for resilient data interactions.
- Engineered a responsive Vue.js frontend for seamless user experience, integrating flawlessly with backend services.
- Utilized API development best practices for efficient data handling, security, and scalability assurance.
- Created an engaging user experience that combines fitness with gamification, resulting in increased user motivation and retention.

EDUCATION

- **Bachelor of Computer Science –** University of New-Brunswick   **Sep 2020 – Apr 2024**
- **Faculty of Chemical Engineering –** University of New-Brunswick   **Sep 2016 – June 2020**

LANGUAGES

Native Korean speaker with fluent proficiency in English