

# Kiet Tuan Vuong

613-715-3402

vuontuankiet@gmail.com • linkedin.com/in/vuong-tuan-kiet/  
712-89 Forward Avenue, Ottawa, Ontario, K1Y 4M1

## PROFESSIONAL SUMMARY

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Full Stack Web Developer with 4+ years of experience building data-driven web applications, LMS platforms, and internal tools in post-secondary environments. Strong expertise in SQL, MySQL, PHP, NodeJS, and API integration, with hands-on experience supporting institutional reporting, data integrity, accessibility, and stakeholder-driven solutions.

## WORK EXPERIENCE

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**Full Stack Developer (LMS & Data Systems)** Feb 2025 - Present  
Lambton College • Ottawa, Ontario

**Moodle LMS Platform (PHP, NodeJS, MySQL, AWS)**

- Developed and maintained a bilingual Moodle LMS supporting course delivery, reporting, and user experience.
- Built SQL/MySQL data structures and performed validation to ensure accurate enrolment and completion reporting.
- Ensured accessibility, compliance, and data integrity across LMS features.
- Implemented NodeJS automation for real-time user provisioning and enrolment, reducing onboarding timelines from weeks to same day.
- Resolved complex LMS issues and optimized micro-credential delivery workflows to improve reliability and completion rates.

**BeSkilled – AI-Powered LMS Mobile Application (React Native, TypeScript, Firebase, GCP)**

- Developed core mobile features for BeSkilled, an AI-enhanced LMS designed to help learners improve skillsets through tailored learning paths.
- Integrated AI/ML capabilities powered by Firebase and Google Cloud, enabling personalized content and real-time feedback for learners.
- Built a secure Admin Dashboard for staff to upload certificates, manage modules, and configure course structures consumed by the mobile app.
- Collaborated with product teams to define requirements, create scalable data models, and ensure seamless end-to-end interaction between the dashboard, backend APIs, and mobile clients.

**Front End Developer** Aug 2022 - Aug 2024  
Treehouse Medical Inc. • Ottawa, Ontario

- Contributed to front-end infrastructure migration, achieving a 35% reduction in website load time through code refactoring and improved asset management, enhancing platform performance and user retention.

- Reduced bug resolution time by 25% through implementing Sentry.io, improving platform stability and user experience.
- Leveraged GitLab version control and CI/CD systems to develop and maintain a large codebase.

### **Mobile Application Developer**

May 2021 - Aug 2022

Algonquin College of Applied Arts and Technology • Ottawa, Ontario

- Led multiple teams of developers in designing and developing award-winning mobile applications for a local property management company and a non-profit, community-based organization in Ottawa.
- Built and maintained mobile applications using Firebase, AWS, and third-party APIs in a post-secondary environment.
- Used GitHub to version control, report issues, develop the codebase and collaborate with other developers.

## **EDUCATION**

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### **Mobile Application Design & Development**

Sep 2019 - May 2021

Algonquin College of Applied Arts and Technology • Ottawa, Ontario

Gained expertise in web and mobile development, cross-platform technologies, and UI/UX design through hands-on projects and practical application

## **SKILLS**

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- **Backend & APIs:** SQL, MySQL, PHP, MongoDB, Python, RESTful, NodeJS, GraphQL, AI/ML API Integration, Google Firebase, FCM, AWS, Stripe
- **Front-End Development:** ReactJS, React Native, TypeScript, JavaScript, NextJS, React Hooks, React Context API, CSS, Sass
- **Development Tools & Collaboration:** Visual Studio Code, GitHub, GitLab, Jira, Slack, Monday.com, Sentry.io

## **AWARDS AND HONOURS**

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### **First Place - RE/ACTION Showcase - Smart Tenant**

2022

Led a development team to build an award-winning application for a property management organization. Further details of the project, including a video presentation, can be found at the following link:

- <https://www.algonquincollege.com/applied-research/2022/07/smart-tenant-2/>