JOHN NGUYEN

WEB DEVELOPMENT | ANDROID DEVELOPMENT

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CAREER SUMMARY

Detail-oriented professional with strong dedication and project experience in contributing toward software development efforts to build scalable applications that exceed user expectations. Proven ability to partner cross-functionally with technical team members, executing unit testing activities and fixing defects to guarantee high levels of quality. History of handling concurrent projects, focusing on harmonizing teams and achieving bottom-line outcomes. Equipped with solid problem-solving skills with the aptitude to uncover and eliminate potential bottlenecks in applications and systems. Highly flexible and adaptable, currently finished in Software Development Diploma.

SKILLS

- Quality Code
- Project Planning
- Front-end & Back-end
- Team Leadership
- Testing & Troubleshooting
- DevOps
- Quality Assurance
- User Satisfaction
- Data Analysis & Research
- Feature Integration
- Defect Resolution
- Deploy on Azura

TECHNICAL PROFICIENCIES

Programming languages: Java, C#, Python, ASP.NET, JavaScript, HTML, SQL and PL/SQL.
Framework & Tools: React Native CLI, Expo, React, Node.js, MongoDB.
Version control: Git, GitHub.
Operation Systems: Windows, Ubuntu.
Development & Virtualization Tools: Eclipse, Visual Studio Code, Visual Studio, Docker, VMWare.

EDUCATION

Software Development Diploma / Southern Alberta Institute of Technology (SAIT) / Calgary, AB   *2025*

KEY PROJECTS

Project Lead & Backend Developer / Sprout: Plant Care Tracker (2024 – Present)

- Delivered a fully functional mobile plant care application by leading a student team in designing and implementing it with React Native and MongoDB Atlas.
- Maximized application functionality by integrating external APIs like Open Weather Map and Plant.id for accurate data retrieval and analysis.
- Implemented features as requirements in Figma prototype design.
- Optimized system efficiency by devising RESTful APIs with Node.js and Express for smooth data communication.

- Performed testing technique such as white box and black-box testing. Combined test types such as functional testing and non-functional testing. Specifically, identified hotspot security, API testing and validation using Postman to manage MongoDB database interactions effectively.

Project Lead & Developer / AI Solution (2025)

- Identified business gap of User's application related to substandard support system.
- Designed and implemented an AI-driven solution using Lang Flow, OpenAI, and Astra DB (vector database).
- Addressed and improved customer support operations.
- Enhanced support efficiency by integrating AI for faster query resolution and more personalized user interactions.

Project Lead & Developer / Master Parking Application (2024)

- Implemented features for page navigation by using Google Map API.
- Optimized reservation processes by implementing automated code generation and efficient creation, search, and update functionalities.
- Enriched user experience and operational efficiency with a well-designed graphical interface for overseeing airports, flights, and reservations.

Project Lead & Developer / Alberta Driving Class7 (2024)

- Created responsive mobile application, cross-device layouts to ensure seamless functionality on various screen sizes.
- Designed practice questions and sample exams, enabling users to prepare effectively for targeted assessments.
- Used RESTful API in Nodejs with Express and MongoDB.
- Boosted performance and scalability by developing the platform with React Native and integrating external APIs for real-time data retrieval.

Project Lead & Developer / Python Solution (2024)

- Collaborated with team of 4 members to analyze and create a Book class on Visual Studio using Python to perform functionalities based on requirements and management sources by Git.
- Created a separate branch in GitHub for each group member to manage changes before merging the branch
- Managed time effectively while working independently by following scheduled group meetings and responding to messages on Teams
- Deployed unit tests for class methods to ensure compliance with requirements.

EXPERIENCE HIGHLIGHTS

Networking Service   **2024 - 2025**
Role: Technician
Connect Abode | Calgary, AB
- Installed and connected smart devices to homes such as light switches, speakers, washing machines, backyard sprinklers, security cameras, garage openers, front door smart camera (doorbell), projectors.
- Solve troubleshoot connectivity issues with smart devices.
- Installed new Wi-Fi hardware, sensors, detectors, powered window blinds.
- Installed a new smart lock, smart devices, different brands and types.

Volunteer   **2024 – Present**
Calgary Food Bank, Calgary, AB
- Attended oriented for a special event.
- Committed true time and safe work in a warehouse.
- Assisted in special events including Purolator Tackle Hunger and Quarry Park co-op stampede breakfast.
- Collaborated with the team in the warehouse to divide separate food.

REFERENCES

Haythem Shakarchi - Founder, Connect Abode (587) 894-1783 haythems@gmail.com

Letter of Recommendation

Date: May 2, 2025

To Whom It May Concern,

I am writing to highly recommend **John Nguyen** for any opportunity in the field of software or web development. I had the pleasure of teaching and working closely with John during his time as a student in the Software Development Diploma program at the Southern Alberta Institute of Technology (SAIT).

John consistently demonstrated exceptional dedication, technical acumen, and leadership in both individual and group projects. His work on projects such as *Sprout: Plant Care Tracker* and *AI Solution* showcased his ability to lead teams, solve complex problems, and implement innovative solutions using technologies such as React Native, Node.js, MongoDB, and Open AI.

What sets John apart is his passion for learning and applying his skills in real-world settings. Whether integrating APIs, performing rigorous testing, or deploying responsive applications, John approaches every task with professionalism and attention to detail. In addition to his technical strengths, John is a reliable team player with excellent communication skills and a collaborative spirit, as demonstrated in his roles both in academics and in his volunteer and technician experiences.

I am confident that John will be a valuable asset to any team or organization. Please feel free to contact me if you require any further information.

Sincerely,

Ramin Nassiri, PhD

Instructor
Southern Alberta Institute of Technology (SAIT)

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