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