

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.
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REFERENCES

