**NGOC TAM NGUYEN (JOHN)**

(825) 288-0437 – mailtam62@gmail.com

hinntam.vercel.app – Calgary, AB

**PROFESSIONAL PROFILE**

* 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 enrolled in Software Development Diploma.

**TECHNICAL SKILL**

* Used efficient programming languages as: Java, C#, Python, ASP.NET, JavaScript, HTML.
* Framework for developing mobile applications as React Native CLI or Expo.
* Framework developed with React and Next.js, styles using Tailwind CSS.
* Backend using Express with SQLite database, MongoDB, Oracle, MYSQL.
* Utilized nodemon, environment variables both React and React Native.

**PROJECT**

**SAIT Capstone Course Project** **–** **Sprout Mobile Application August 2024 – Present**

Southern Alberta Institute of Technology (SAIT) | Calgary, AB

**Position: Developer Lead**

* 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 OpenWeatherMap 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.
* Strengthened data security and scalability by introducing AWS IoT Core and MongoDB Atlas for highly reliable storage and retrieval.
* Performed API testing and validation using Postman to manage MongoDB database interactions effectively.

**SAIT Capstone Course Project** **–** **Alberta Driving Class7 January 2024 – April 2024**

Southern Alberta Institute of Technology (SAIT) | Calgary, AB

**Position: Developer**

* 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 MongDB.
* Boosted performance and scalability by developing the platform with React Native and integrating external APIs for real-time data retrieval.
* Link: https://play.google.com/store/apps/details?id=com.codewithnguyen.todoalbertadriving

**SAIT Capstone Course Project** **–** **Master Parking Application August 2024 – December 2024**

Southern Alberta Institute of Technology (SAIT) | Calgary, AB

**Position: Developer**

* 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.

**RELATED EXPERIENCE**

**Software Development Diploma January – April 2024**

Southern Alberta Institute of Technology (SAIT) | Calgary, AB

**Core responsibilities:**

* Gain insights into analysis and design of software solutions using industry-standard methodologies.
* Acquire skills in developing dynamic web applications with modern front-end and back-end technologies.
* Familiar with database programming relationships (Oracle) and non-relationships (MongoDB).
* Object programming language including structure and algorithms.
* Exercise knowledge in building mobile applications for various platforms, integrating UI/UX best practices and performance optimization techniques.

**SAIT Capstone Course Project -** **Python Solution January 2024 – April 2024**

Southern Alberta Institute of Technology (SAIT) | Calgary, AB

**Role: Developer**

* 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**

**Networking Service**  **September 2024 - Present**

**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 EXPERIENCE**

**Volunteer April 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.

**LANGUAGES**

* Fluent in English and Vietnam.

**REFERENCES**

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