

# JUTIPONG PUNTULENG

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## SOFTWARE ENGINEERING STUDENT

Aspiring Software Engineering student with hands-on experience building responsive, user-centric applications. Skilled in React, Next.js, and MongoDB with a focus on cloud-native architectures and database optimization. Demonstrated ability to improve application performance by 30% through efficient code refactoring and database query optimization. Passionate about creating scalable solutions with intuitive user experiences while adhering to industry best practices in security and performance.

## EDUCATION

### Bachelor of Software Engineering

*Expected Graduation: May*

2026

Concordia University, Montreal, QC

**Concentrations:** Cloud computing engineer, Full-stack developer

**Related Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Database Systems and Management, Operating Systems, Agile Methodologies and Project Management, Security, Quality Assurance

## SKILLS

- **Languages:** HTML/CSS, JavaScript, Java, TypeScript, PHP, C++, Python.
- **Frameworks/Libraries:** React, Next.js, Node.js, Express.js., Django
- **Cloud & DevOps:** AWS, Git, GitHub Actions, CI/CD pipelines
- **Databases:** MySQL, MongoDB.
- **Development Practices:** Agile/Scrum, TDD, RESTful API design

## PROJECTS

### Car Rental System

*Technologies: JavaScript, Next.js, MongoDB*

- Developed a full-stack car rental platform with secure user authentication and real-time booking functionality
- Implemented responsive design principles ensuring seamless experience across desktop and mobile devices
- Reduced database query time by 40% through efficient MongoDB indexing and data modeling
- Integrated automated testing achieving 85% code coverage, ensuring reliability and maintainability.

### Delivery Management System

*Technologies: JavaScript, Vite, Express.js*

- Engineered a delivery management system with real-time tracking capabilities
- Implemented route optimization for more efficient delivery operations
- Designed RESTful API endpoints for seamless front-end and back-end integration
- Created a responsive dashboard using Vite for rapid development and optimized performance

### Campus Navigation Guide

*Technologies: Flutter*

- Developed a cross-platform mobile application helping students navigate campus facilities with 95% location accuracy
- Implemented real-time location tracking and interactive maps using Flutter's geolocation capabilities
- Reduced average navigation time between buildings by 30% through optimized pathfinding algorithms
- Integrated building information, classroom schedules, and points of interest with university database systems

**LANGUAGES** – **Thai:** Native, **English:** Fluent, **French:** Intermediate