

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

2026

Expected Graduation: May

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