

# John (Chun-Han) Lee

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## Profile:

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### Technical Skills:

- Programming languages: C#, Python, Java, HTML5, CSS, JavaScript, Dart, SQL, TypeScript
- Databases: LINQ, Entity Framework Core, MySQL, SQLPlus, SQLite3, Vector Databases, PostgreSQL Database, Oracle Database
- Tools & Platforms: Visual Studio, Visual Studio Code, LINQPad, Git/Github, Docker, Magento, IntelliJ IDEA, SQL Server Management Studio (SSMS)
- Development Frameworks: React, Node.js, Django, Flask, Blazor, Flutter, FastAPI, .NET8, LangChain
- Testing Frameworks: Pytest, JUnit, Jest, Selenium
- AI: Vertex AI, Python-based AI Development, Custom ChatGPT, Text Embeddings
- Cloud & Virtualization: Render, VMware, Supbase, Firebase, Vercel, Netlify, Pinecone, Neo4j
- APIs: REST APIs, OpenAI API, Google Cloud API
- Collaboration Tools: Slack, Microsoft Office, Microsoft Teams, Figma, Jira

### Project:

#### Capstone Project – Event Participant Matching Web Application

- Implemented hot swappable AI models to group event attendees based on professional backgrounds and interests, integrating free form input with AI data parsing for structured database storage.
- Developed a full-stack system solution using Python, FastAPI, PostgreSQL, and Next.js for seamless user interactions.
- Developed and implemented the AI chatbot for user information retrieval and query.

#### AI Receipt Tracking System

- Built a CustomGPT tool with FastAPI & Supabase for Costco receipt tracking, handling 50+ daily user inputs.

#### AI Book Interpretation & Translation Assistant

- Built a CustomGPT trained on a Mandarin health book to provide English-translated health insights using semantic search.

### Education:

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#### Digital Media & IT Diploma, Computer Software Development (Sept 2023 – Apr 2025)

*Dean's Honor Roll (4.0 GPA)*

NAIT, Edmonton, AB, Canada

#### Bachelor of Science, Computer Science (Major), Business (Minor) (Sept 2010 – Sept 2015)

University of Alberta, Edmonton, AB, Canada

## Technical Employment Experience:

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### **Data Solutions Developer** (*Contract Position*)

*Pontem Innovations, Edmonton, Alberta, Canada*

June 2024 – December 2024

- Developed templates for ABBYY FlexiCapture OCR tool.
- Implemented a portal using Python, Flask, and Django to create and edit budget forms, improving user experience and form management capabilities.

### **Software Programmer**

*RF King Source Inc., Taoyuan, Taiwan*

January 2018 – June 2018

- Familiarized with the e-commerce platform Magento and Docker tool, using them to develop and deploy an e-commerce website.
- Adapted to fast-paced environment with evolving requirements, delivering high-quality code that met the requirements and expectations of stakeholders.
- Acquired critical time management and detail-oriented skills, catching and fixing 90% of the bugs in the code base.

### **Software Programmer**

*WATICS Global Corporation., Taipei, Taiwan*

May 2016 – August 2016

- Developed websites, web applications in React, HTML, and Node.js, resulting in a 50% increase in user traffic.
- Developed strong team communication through collaborating with HR, Sales, Back End developers, and UI/UX teams, ensuring smooth and efficient workflow and delivery.

## Additional Employment Experience:

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### **Associate Realtor**

*YEGPro Realty, Edmonton, Alberta, Canada*

October 2019 – September 2023

- Effectively communicated with over 50 clients, colleagues, and stakeholder through phone, email and social media platforms, ensuring timely and accurate information exchange.

### **Business Owner**

*J.E.L. Renovations., Edmonton, Alberta, Canada*

May 2018 – January 2023

- Learned business management and communication skills through servicing over 20 clients.
- Effectively managed time to meet strict deadlines for over 50+ project, ensuring quality completion and adherence to budget.