

LINUS LI

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SUMMARY

Full-stack Software Developer with a proven track record of enhancing user engagement by 30% and reducing server load by 40% in e-commerce applications. Skilled in React, TypeScript, and Node.js, with a passion for building scalable, real-time data-driven systems. Eager to leverage cloud technologies (AWS, GCP) and cutting-edge web frameworks to drive innovation in fast-paced, impact-oriented environments.

EDUCATION

Western University, London, ON

Sep 2019 – Jun 2023

- *BESc in Software Engineering (with distinction)*
- *Relevant Coursework:* Software Design and Architecture, Database Systems, Web Development
- *Awards:* Dean's Honor List for academic excellence

TECHNICAL SKILLS

- **Web Technologies:** React (v18, React Hooks, React Router, Redux Toolkit), TypeScript, HTML5, CSS3, Sass, JavaScript (ES6+), Next.js, Tailwind CSS
- **Backend:** Node.js (Express), Python (Django, Flask), PHP (Laravel), GraphQL, RESTful APIs, MySQL, PostgreSQL, MongoDB
- **Tools & Technologies:** Git, GitHub, Docker, Kubernetes, Jenkins, Jira, Vite, NPM, WebSockets, Figma
- **Cloud Services:** AWS (EC2, S3, Lambda, RDS), Google Cloud Platform (Firestore, Cloud Functions)
- **Methodologies:** Agile Development (Scrum), Test-Driven Development (TDD), CI/CD, Metrics & Performance Analysis

EXPERIENCE

Outlier, Remote, United States

AI Coding / Math Trainer

Feb 2024 – Present

- Rewrote and critiqued AI-generated responses, focusing on enhancing response quality and logic to align with **coding standards** and **mathematical accuracy**. Enhanced the overall response quality by 30%, ensuring adherence to **best practices** in logic and consistency.
- Provided detailed **feedback** on AI responses, leading to a 20% improvement in **model accuracy** and **reliability** through effective use of **LLMs**.
- Promoted to a reviewer role; **reviewed rewritten responses** and critiques from other trainers, focusing on maintaining consistency and improving team-wide **QA standards**. Leveraged **CI/CD pipelines** for automating validation processes, reducing response review time by 20%.

Groops!, Montreal, QC

Software Developer

Jan 2023 – Jun 2023

- Developed a responsive e-commerce application using **React** and **Next.js**, implementing **real-time metrics tracking** and improving **user engagement** by 30% through optimal state management with **Redux Toolkit**.
- Enhanced application performance by integrating **GraphQL** APIs, reducing server requests by 40%, and improving data fetching efficiency. Utilized **Vite** for faster development builds, decreasing compile time by 50%.
- Collaborated on backend development using **Node.js** and **MySQL**, ensuring data integrity and optimizing queries for faster response times.
- Followed **agile development methodologies**, continuously iterating and refactoring code to meet evolving business requirements

PROJECTS & LEADERSHIP EXPERIENCE

Parshift - Logistic Management System

Oct 2022 – Apr 2023

- Designed a **scalable logistics management system** in **Laravel**, automating real-time order tracking and improving operational efficiency by 40% through effective inventory management.
- Enhanced **MySQL database schemas** to improve query performance by 20%, ensuring data integrity while deploying the application on **AWS EC2** with a database hosted on **RDS**. Utilized **S3** for storing logistics documents, enabling a 99.9% uptime.

- Collaborated with frontend developers to ensure seamless communication between client and server via **RESTful APIs**.

Connect Four (Web game)

Sep 2020 – Dec 2020

- Developed an interactive web-based **Connect Four game** using **React** and **TypeScript**, implementing **WebSocket-based multiplayer functionality** for real-time gameplay and reducing latency by 30%.
- Optimized gameplay performance by using **Redux** for state management, ensuring smooth interactions and enhancing user satisfaction through responsive design with **Tailwind CSS**.
- Created detailed **performance metrics** to track player actions, providing insights into user engagement patterns and informing future development decisions.

Coding Club President

Sep 2020 – Apr 2021

- Led a team of 12 student members, organizing weekly meetings on **Zoom**, workshops on **Github Codespaces**, and hackathons, to promote coding skills and foster a collaborative learning environment
- Mentored junior students in technologies like **React**, **Node.js**, and **Python**, providing guidance and support in their programming projects and coursework
- Increased club member participation by 25% by delivering sessions on **real-world technologies** such as **cloud computing** and **machine learning**. Partnered with industry professionals to expose students to **cutting-edge technologies** like **TensorFlow** and **AWS**.