

LI YAN

Senior Software Engineer

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PROFESSIONAL EXPERIENCE

Full Stack Engineer II – Navan

Jun 2025 – Present

- Developed multi-agent voice agent system that placed outbound calls to hotels to confirm reservations and late arrivals, reducing FinOps operational labor by 60% through end-to-end call handling and verification.
- Developed an LLM evaluation framework using BrainTrust to statistically train, validate, and benchmark prompt/ model updates against a golden dataset, eliminating regression risks, ensuring consistent response quality.
- Trained and deployed a lightweight WavLM-based classifier to distinguish human vs. automated voices on live phone calls, achieving <200 ms inference latency and 95% accuracy.

Cisco – Appdynamics

Senior Software Development Engineer | Sep 2022 – Nov 2024

- Developed an AI-powered chat assistant interface, enabling real-time analysis of APM metrics to provide concise application health insights, actionable recommendations, and contextual resources, resulting in an intuitive, user-friendly interface for dynamic and effective troubleshooting.
- Designed and developed a responsive, React-based grid layout system for a next-generation dashboard, supporting multiple breakpoints to optimize the display of complex data visualizations across different devices.
- Developed assisted query builder from the ground up. This system bridges human-readable input with backend query architecture, ensuring seamless communication between the user interface and server/database.

Software Development Engineer II | May 2019 – Sep 2022

- Collaborated with Product and UX to deliver a next-generation data visualization project, enabling 90% of key features in the first release and achieving 100% positive customer feedback.
- Built a centralized UI component demonstration tool with Storybook, enabling 90% of domain UI teams to onboard and reuse components efficiently.

Software Development Engineer I – Mitchell International

Jun 2017 – Apr 2019

- Developed a microservice using Spring Boot to streamline data retrieval from multiple SQL databases, significantly reducing the load on the frontend and improving data retrieval speed by nearly 200%.
- Designed and built an internal database access web tool with side-by-side comparison features, reducing search time by 90% and enabling teams to retrieve information more accurately and efficiently.

EDUCATION

M.S. ECE

University of California, San Diego
2015 – 2017

TECHNICAL COMPETENCIES

LangGraph/LangChain

Google ADK

Braintrust

TensorFlow

React

Angular

NextJS

NodeJS

TypeScript

JavaScript

HTML/CSS

Python

Java

Sonar

MySQL

Machine Learning

Deep Learning

AI

RESTful

Docker

Git

Jenkins

AWS

PROFESSIONAL CERTIFICATES

Machine Learning by Stanford University & DeepLearning.AI

Deep Learning by DeepLearning.AI

AI-Powered Chest Disease Detection and Classification, Detecting COVID-19 with Chest X-Ray using PyTorch