

# Ho Teck Lai (Jack Ho)

**Senior Software Engineer**  
Email: jackho2390@gmail.com

## Professional Summary

Senior Software Engineer with 10+ years of experience designing and delivering scalable full-stack solutions across e-commerce, social media, and enterprise applications. Proven expertise in backend development with **Java**, **Python**, and **Node.js**, complemented by strong frontend capabilities in **React** and **Angular**. Demonstrated success in architecting microservices, implementing cloud infrastructure on **AWS** and **Azure**, and leading cross-functional engineering teams. Adept at translating complex business requirements into robust technical solutions while mentoring junior developers and driving engineering excellence.

## Technical Skills

- **Front-End Development:** React, Angular, Vue.js, HTML5, CSS3, TypeScript
- **Back-End Development:** Node.js, Python Django, Flask, PHP/Laravel, Golang, Java Spring Boot
- **Cloud Platforms:** AWS (EC2, S3, Lambda, DynamoDB), GCP
- **DevOps & Infrastructure:** Docker, Kubernetes, CI/CD, Terraform
- **Databases:** PostgreSQL, MySQL, Firestore, DynamoDB
- **AI & ML:** OpenAI API, VAPI, Twilio Voice AI
- **Other:** Microservices Architecture, RESTful APIs, Agile/Scrum

## Professional Experience

### Senior Software Engineer

**Cimpatco Studios** · Contract  
May 2020 – Oct 2025 · United States (Remote)

- Architected scalable infrastructure for 5+ production applications, reducing system downtime by 40% and establishing reusable engineering patterns adopted across the organization
- Built real-time social platform features (feeds, messaging, live streaming) using **Node.js** microservices with **Firebase/Firestore**, supporting 50K+ concurrent users with 99.9% uptime

- Optimized search functionality by integrating Algolia, resulting in enhanced query performance and user experience across platform
- Delivered full-stack development for the Foodcare system, building responsive React frontend and developing robust backend APIs using **Python (Flask, Django)** for data processing and business logic implementation
- Orchestrated cloud infrastructure deployment across **AWS** (Lambda, S3, DynamoDB) and **Azure**, ensuring high availability and scalability
- Spearheaded microservices transformation initiative, implementing containerization strategies with **Docker** and **Kubernetes** for improved deployment efficiency and resource management
- Provided technical leadership as Lead Developer, conducting code reviews, mentoring junior engineers, and facilitating collaboration across cross-functional teams to ensure project delivery excellence.

## Software Engineer

**AutoStore™** · Full-time

May 2015 – Apr 2020 · Singapore (On-site)

- Developed and scaled **Java Spring Boot** backend services supporting e-commerce platform with 2M+ monthly active users, maintaining 99.95% uptime during peak traffic periods
- Designed **RESTful** API suite serving 4 client applications with 10M+ daily requests, achieving average response times under 200ms through optimized database queries and caching strategies
- Built **Python**-based data processing pipelines for analytics and reporting, enabling data-driven business decision-making
- Engineered web-based project management solutions utilizing **React.js** frontend with Java backend services, streamlining internal workflow processes
- Collaborated extensively with product management and design teams to translate business requirements into technical specifications and deliver feature implementations aligned with strategic objectives
- Championed code quality through active participation in peer code reviews, technical documentation, and knowledge-sharing sessions, contributing to team growth and engineering excellence.

## Education

**Singapore Institute of Technology**

Bachelor's degree in Computer Science | Singapore | January 2011 – April 2015