# KEIN CHAN

## SENIOR FULL-STACK TECHNICAL CONSULTANT

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## PROFESSIONAL SUMMARY

**Senior Technical Expert & Project Lead**: Over 10 years of enterprise-level full-stack development and big data architecture experience, with hands-on expertise across the entire software development lifecycle. Specialized in cross-departmental, cross-company, and multinational team collaboration and technical team management.

## TECH STACKS

**Programming** :
Python, Java, Swift, Scala, C#, R
**Database**:
Mysql, PostgreSQL, OracleDB
**Source Code Version Control:**
Github, Git
**Test Tools:**
Pytest, Junit, Selenium, Postman

**Framework:**
Spring Boot, Flask, Django, WPF,SwiftUI,React Native
**Cloud Computing:**
AWS,GCP
**Virtualized Platforms:**
Docker, Vagrant

**CI/CD tools:**
Travis CI, Github Actions
**Data Visualization:**
PowerBI, Microstrategy
**UI/UX Design:**
Photoshop, Figma
**Project Management:**
Jira

## WORK EXPERIENCE

**Amigo Technology Consulting Studio, Tokyo**                    **Nov 2022 - Present**
*Senior Full Stack Technical Consultant & Data Architect*

- **LY Group Data Warehouse Migration:** As the technical lead and project manager, I led the migration of the enterprise-level data platform for Japan's Line Yahoo Group, including completing the full technical solution validation for the migration from the Teradata on-premise data center to AWS Redshift; responsible for migration resource evaluation and project schedule control to ensure timely delivery; developed standardized migration processes and data validation mechanisms to ensure data consistency; coordinated technical alignment and resource allocation within internal business units of the group.
- **Rakuten Pay (Instant Payment) Project:** Rakuten Pay is Japan's second-largest digital payment application. Led the backend technical team to develop and update the functionality of the credit card and digital payment/recharge features. Led communication meetings with stakeholders to determine interface standards for system integration and ensured the seamless integration of new features with the existing payment system.
- **Japanese National Mobility Tracking System:** An internal project for SoftBank, one of Japan's three major telecom companies. By obtaining mobile base station and GPS location data, the project continuously manages the mobile phone location data, forming a data warehouse that covers approximately one-third of Japan's population. Responsible for the verification and investigation of the underlying framework and some visualization tasks. The project involves a large amount of personal information, so strict compliance with personal privacy protection requirements is essential.
- **Japan Travel Itinerary Generator App(Personal Software Development Project):** The app automatically plans travel itineraries based on user-input start and end points, modes of transportation, and travel destination information. The project includes: requirement analysis and system architecture planning, UI design, app development, backend development, admin panel development, and web scraping for data collection.
- **Azas Project:** Azas is a digital safety management platform for construction sites that allows workers to independently report daily safety hazards and record safety behaviors through a smartphone app, optimizing the

safety of the construction environment. Responsible for implementing core modules and ensuring system compatibility.
- **Nanamusic Project:** Responsible for backend management development and system maintenance, promptly addressing system failures caused by version updates, malicious attacks, etc.

**Outsourcing Technology(TSE Code:2427), Tokyo**                                      **Sep 2019 – Oct 2022**
*Backend Engineer (Backend Technical Expert)*
Participated as a backend engineer in the Japanese government's family registry digitization project and Toyota Group's smart city TRI-AD (now Woven Planet) development project.

- Participated in the **Japanese government's family registry digitization project** led by Fujifilm, developing five Windows applications to assist the family registry department in addressing issues in the digitalization of the family registry system. By introducing OCR (Optical Character Recognition) technology, the project converted scanned image-format family registry documents into structured data, improving processing efficiency from the previous 10 years of manual operations to just a few hours. The production environment involved Japanese citizens' family registry data and strictly adhered to Japan's Personal Information Protection Law to ensure the security and compliance of sensitive citizen data.
- Responsible for the backend development of the **smart logistics delivery system** for Toyota Group's smart city (Woven City), designing and implementing the core system based on microservices architecture to support the collaborative operation of over 3,000 delivery robots.

**Oriental Kingdom Group, Tokyo**                                                     **Jun 2018 – Aug 2019**
*Test Development Engineer*

- Responsible for testing the **Pepper humanoid robot for corporate applications** under SoftBank, leading the test plan design and execution for the Pepper management system. Worked closely with the technical team from the French subsidiary Aldebaran Robotics to coordinate multinational testing processes and track issues, ensuring the stability and functionality of the robot applications meet enterprise-level standards.

**Lama Bang Technology Co., Ltd., Shenzhen**                                          **Oct 2015 – May 2018**
*Big Data Engineer*

Lama Bang app was one of China's largest maternity and baby social media platforms. In addition to the Lama Bang app, the company also operates apps like Pregnancy Companion, Lama Bang Mall, and Lama Bang U-Select. As a fast-growing unicorn company, Lama Bang faced the challenge of rapidly increasing data volume and how to leverage this data effectively.

- **Database Architecture Upgrade:** Participated in the design and implementation of a new-generation data warehouse system to support the data analysis needs of the company's products. Successfully addressed the data volume surge challenge brought by the increase in daily active users from 300,000 to 3.4 million, significantly improving data processing and storage efficiency.
- **Business Intelligence System Development:** Developed an enterprise-grade OSS data platform that automated the calculation and visualization of daily statistical indicators. Over 2,000 data reports were generated annually, providing real-time data support to departments like operations, product, and advertising.
- **Data-Driven Decision-Making System:** Built a user profiling system and A/B testing framework to support product iteration and user growth strategies, fostering the development of a data-driven culture within the company.

**Lino-A Co, Kyoto**                                                                  **Apr 2014 – Sep 2015**
*System Engineer*
Developed a multilingual, multi-device compatible tourism information system platform using WordPress for visitors. Provided services to the Shimoda City Tourism Association and the Hikone City Tourism Association.

# EDUCATION

**Master Degree(MEc),** Osaka University                                    Osaka, **Apr 2012 – Apr 2014**

Kokusyo Japanese-language school                                    Tokyo, **Oct 2010 – Sep 2011**

**Bachelor Degree(BJ),** South China University of Technology           GuangZhou, **Sep 2004 – Jul 2008**

# CERTIFICATIONS

Java SE8 Gold
Linux Professional Institute Certification LPIC-1
AWS Solution Architect Associate
Python Engineer Certification
Abbyy FC 12 Solution Architect Certification Advanced
IT Passport
Google Analytics Advanced
JLPT-N1
TOFEL-76