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EDUCATION

National Taiwan University <i>Department of Management Information System, Master degree</i>	Sep. 2015 — Jan. 2018
National Taiwan University <i>Department of Management Information System, Bachelor degree</i>	Sep. 2010 — Jan. 2015

PROFESSIONAL EXPERIENCE

Vibranium Labs , AI On-call Engineer <i>Founding Product Engineer</i>	Feb. 2025 — Now
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- Turn high level business goal and vague product concept to concrete implementations, with flexibility & scalability in mind to accommodate uncertainty in early stages.
- Built the initial foundation of the entire backend system, including onboarding, billing, incident workflow management and agent orchestration. Layered on top of customer integrations with their ticketing system, meeting platform, document source and observability stacks.
- Built identifier agent that listens to user communications and recognize incident conversations, then associate relevant message threads.
- Built reasoning agent which is the core of up-to-date postmortem generation, aggregates conversational information to form timeline events, incident summary, impact analysis, situation understanding, and recommended next steps.
- Established testing structure to prevent regression on key agent decision path.
- Introduced hexagonal architecture to solve growing complexity, separate demo features with production code, but still leverages the same set of fundamental integrations. Allowing fast iteration on demo while keep production quality.
- Experiment on RCA/triage agent that locate prominent investigation direction with proactive telemetry data exploration and analysis.

BlueX Trade , FreightTech Platform <i>Software Development Manager & Architect</i>	Feb. 2021 — Jan. 2025
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- Developed DocGrouper: Created a system that automatically links commercial invoices with supporting documents using key fields like BL and PO numbers, achieving a 97.5% recall rate. Played a key role in enhancing the Payables feature by automating document grouping, significantly improving user experience and saving customers time.
- Developed DocChecker, a web application that optimizes the FinOps workflow by presenting key information extracted via Google Doc AI from varied-format logistics documents in tables with discrepancy indicators, enabling efficient consistency checks.
- Developed CreditPackage, a service that uses OCR and LLM for efficient extraction and analysis of customer financial statements, improving KYC procedures.
- Led the Product Development Team, conducting weekly one-on-one meetings for personalized mentoring, aiding in achieving personal objectives and ensuring alignment with company strategy.
- Orchestrated resource allocation and progress tracking for the Product Development Team, guaranteeing consistent, on-target feature delivery each sprint.

- In charge of leading the Product Development Team to build BlueX Pay, our main product of ocean freight financing, from inception to production.
- Led the refactoring and migration from Vue 2 to Vue 3 for GreenX, our white-label ocean freight e-commerce solution, enhancing best practice adoption.
- Established coding conventions and best practices, and made architectural decisions on data and components.

Hang Jian Tech, UAV applications

Sep. 2019 — Dec. 2020

Chief Technology Officer

- Lead and manage the R&D department to ensure successful delivery of all projects and build long term competitiveness to align business strategy.
- Do scrum coaching, prioritize tasks, allocate resources and organize R&D members to assist them achieving tactical objectives.
- Design architecture of a system called Topology that enables UAV with 4G/5G connection, which facilitates remote control and mission planning without distance limitation, based on Node.js, React.js, AWS, Apache Pulsar.

ALCHEMA, IoT company

Sep. 2016 — Aug. 2019

Software Director, Backend Developer

- In charge of software development roadmap planning to support business strategies.
- Establish KPI and do agile coaching, lead the mobile app dev team to fulfill strategic goals.
- Build the whole RESTful API backend(Node.js) with my own rapid development library j2s.
- Design scalable infra architecture with AWS ECS, automate deployment with Terraform.
- Build web app for data management, monitoring and measurements with React & Redux.
- Work as full-stack developer to maintain Android & iOS production app (Java & Objective-C).

Tagtoo, RTB company

Feb. 2016 — Aug. 2016

Contract Architect

- Optimize developing process by containerizing building environment with GCP.

Vpon, RTB company

July 2015 — Jan. 2016

Internship

- Survey Kubernetes to help the company migrate applications onto it, deployed by Ansible.
- Investigate MySQL Fabric for sharding, and AWS CloudFormation for system deployment.

Somer, startup team

Apr. 2014 — Sep. 2015

Co-founder, Android Developer, Backend Manager

- An anonymous social platform for people to truly express themselves with their real friends.
- 100,000 total registered users, rated 4.08 on Google Play.
- Responsible for the whole app on Android platform, and server side powered by Parse.

j2s, npm modules

June 2016 — May 2018

Publisher

- Open source project for rapid RESTful API construction in Node.js.
- <https://www.npmjs.com/package/j2s>

HONORS

Silicon Valley Taiwan Program

Jan. 2015 — Jan. 2015

- Selected as one of the 10 teams to participate a 2 weeks program at P&P Tech Center, San Jose.

From IP to IPO Program

Jun. 2014 — Oct. 2014

- Top 10 out of 40 teams in this startup competition, won 500,000 NTD prize.

FbStart Bootstrap Program

Oct. 2014 — Apr. 2015

- Invited by Facebook to join this program, sponsored by third-party services that equivalent to 300,000 NTD.