

Juang, Yi-LIN

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WORK EXPERIENCE

- 2023 - Engineering Manager, **Doorstead**, *Remote*
Managed and led the Taiwan engineering team while serving as the Taiwan site lead for general administration. Coordinated cross-timezone on-call schedules to support a follow-the-sun model for 24/7 reliability. Led hiring efforts and collaborated with the CTO to align team strategies with company goals. Maintained high standards in software development, ensuring quality output and operational excellence. Engineered a comprehensive payment ledger infrastructure, processing thousands of properties and tens of millions of dollars monthly. Automated payment runs, reconciled incoming payments, and optimized payouts to owners, tenants, vendors, and corporate accounts, reducing errors and saving hundreds of hours monthly.
- 2021.11 - 2022 Senior Software Engineer
Led a cross-functional team across four time zones, providing technical and product guidance. Launched automated owner/tenant notification tools, saving over \$1M annually in staffing costs. Automated lease generation, cutting processing time by 86% and improving leasing performance by 5 days. Replaced legacy authentication with Auth0, integrating GraphQL for improved authorization. Enhanced the tenant application portal with anti-fraud measures and fee collection. Organized Taiwan team events and supported team growth as the first Taiwan hire.
Tech: python, react, next.js, graphql, postgresql, retool, github actions, aws
- 2021.06 - 2021.08 Technical Manager, **SoundOn**, *Taiwan*
Led a product team of 6, planning and delegating tasks while guiding them through technical challenges. Partnered with external teams to deliver podcast services on million-MAU platforms. Reduced GCP costs by 40% through improved resource efficiency, including a 50% cut in Kubernetes nodes.
- 2020.08 - 2021.05 Fullstack Engineer
Launched SoundOn's first two paid services within a month, integrating TapPay for a seamless user experience. Deployed a CDN for podcast files, cutting network costs by over 90%, and revamped CI/CD pipelines.
Tech: node.js, postgresql, k8s, bigquery, firebase, python, react, gcp
- 2019.07 - 2020.06 Co-founder, **MilkJobs**, *Taiwan*
Developed the website, **iOS & Android** apps, and backend for MilkJobs, an instant messaging recruiting platform for SMEs. Grew the platform to 500 DAU, 5000+ users, 1000+ companies, and 2000+ job listings.
Tech: react, react native, .net core, mysql, openapi, aws
- 2018.03 - 2019.07 Software Engineer, **nuTonomy**, **Aptiv**, *Singapore*
Migrated autonomous vehicle logs and redesigned the pipeline with Kinesis and SQS, achieving 10x scalability.
Tech: python, .net core, mysql, aws
- SUMMER 2016 Software Engineering Intern, **Google**, *Taiwan*
Chrome OS Video and Camera team. Developed low-level features bridging Chrome OS and Android systems.

SKILLS

- LANGUAGES Chinese (native), English (fluent), German (intermediate)
- TECH **Main** JS (TS, Node, React, Next), Python (Flask), C# (.Net Core), GCP, AWS, PostgreSQL, MySQL, K8s
Experienced C++, Git, GQL, Shell Scripting, React Native, Redis, Retool, Terraform, GitHub Actions

EDUCATION

- 2013 - 2017 BSc in EE, National Taiwan University (NTU), *Taiwan*
CS GPA: 4.19/4.30. Courses: Network Science, Computer Networks, Machine Learning, Algorithms, Data Structure
- WINTER 2016/17 CS Exchange student, University of Hamburg (UHH), *Germany*
GPA: 3.30/4.00. Courses: Knowledge Processing, Robotics

PUBLICATIONS

YY Liao, HW Hsu, **YL Juang**, TL Yu. On the investigation of population sizing of genetic algorithms using optimal mixing. Proceedings of the Genetic and Evolutionary Computation Conference (GECCO 2019). Jul. 2019.

INTERESTS

Slow travel, cooking, watching indie films, reading manga.