

Jack Hsieh

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EDUCATION

National Cheng-Kung University

M.Sc. Material Science and Engineering

Tainan City, Taiwan

2015.09 – 2017.07

Publication: Characterizing carrier transport in nanostructured materials by force-resolved microprobing, 3rd author

- Developed a force-resolved automatic microprober.

EXPERIENCE

Backend Software Engineer

foodpanda

2022.05 2023.08

Taipei, Taiwan

- Developed and maintained the subscription service handling 1,000 requests per second with milliseconds latency. The service managed the subscription lifecycle, ledger, plans, benefits, and pro status for hundreds of thousands subscribers worldwide.
- Migrated to a new voucher service with zero downtime and minimal data loss, enabling voucher wallet and automating voucher creation process.
- Scaled out database read throughput by utilizing replication. Developed a read-write separation wrapper with backward compatibility.
- Resolved recurrent pod crashes by replacing liveness probe. Enhanced system reliability and removed on-call support.

Software Engineer

Ecloudvalley Digital Technology

2020.04 2022.02

New Taipei City, Taiwan

- Developed and launched a supply chain management platform integrated with SAP.

SKILLS

Language: Python, JavaScript, Go

Framework: Django, React

Database: MySQL, Postgres, Redis

Message Queue: SNS/SQS

DevOps: Kubernetes, Docker, Drone