Jack Hsieh

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EDUCATION

National Cheng-Kung University   Tainan City, Taiwan
M.Sc. Material Science and Engineering   *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   2022.05 2023.08
foodpanda   *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   2020.04 2022.02
Ecloudvalley Digital Technology   *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