




# Yio Chou

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## SUMMARY

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- 3+ years of experience in backend development, including programming, database schema design, troubleshooting, application development, and performance optimizing.
- Solid experience in Node.js. Ability to write maintainable and readable code that follows SOLID principles.
- The ability to break down requirements to minor tasks and implement these tasks on time.
- Hands-on experience in building application from scratch.
- Challenge enjoying and being responsible at work.

## WORK EXPERIENCE

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### SoundOn, Backend Engineer

2020/7 - 2021/7

Tech: NodeJS, PostgreSQL, GCP, K8S, BigQuery, Dataflow, CircleCI, Firebase, React

- Developed new features of podcast hosting service and podcast player. Refactored the legacy code base.
- Built alerting system on GCP, and integrated with Slack to notify developers actively if incident occurs.
- Scheduled ETL cron jobs to process data stored in BigQuery, and aggregated for the purpose of analytics and podcast ranking.
- Migrated database from Firestore (NoSQL) to PostgreSQL without downtime, meanwhile, cleaned up dirty documents to consistent records.
- Supported frontend team (using React, Redux, and configure Prerender), app team (using Flutter) °

### LJIT.io, Frontend/Backend Engineer

2018/5 - 2020/2

Tech: NodeJS, Express.js, MongoDB, MySQL, Redis, AWS S3, React/Redux, Webpack, Docker

- LJIT.io was an outsourcing company. Developed various projects and touched multiple technology. At first, I was frontend developer, but then dedicated to backend development.
- On blockchain game (dapp) project: Modified a smart contract and deployed to ethereum. Besides, developed website with React, Redux, and interacted with deployed smart contract.
- On video streaming platform project: Developed both frontend and backend, and designed database schema. Stored video files to aws s3, and deployed CDN to improve experience of viewers.
- On gambling platform project: Developed various algorithms of lotteries and wrote unit tests. Helped team spending less times on writing tests, by programming a script that converted test cases to unit tests code. Introduced two-factor authentication into login process.
- Took an active part in study group, and shared topics like SOLID, React/Redux, Database Transaction/Isolation and so on.

## EDUCATION

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### National Central University

2013/9 - 2017/7

Bachelor of Computer Science.

## SKILLS

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- Programming Languages: JavaScript(Node.js, TypeScript), Golang
- Database: MySQL, PostgreSQL, MongoDB, Firestore, Redis
- Infra: GCP(GKE, BigQuery, Dataflow, CloudRun), AWS S3, K8S, Terraform, CircleCI
- Frontend Framework: React, Redux, JQuery
- Other: Git, Docker, Firebase, OneSignal, BullMQ, MailGun, TapPay, SOLID