

# TAI-YU CHEN

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Los Angeles CA

## Summary /

A passionate software engineer specialized in web application from development to operation.

Enthusiastic about building intelligent and scalable workflows and process to empower users and developers.

Experienced in building sustainable consumer-facing products which provided innovative solutions to critical business problems

## Technical Skills /

**Languages:** Node.js, React.js, HTML, CSS, Python and Haskell

**DevOps:** Terraform, Jenkins, AWS CodePipeline and GitLab CI

**AWS:** ECS, CloudFront, S3, ALB, VPC, Route 53, and more

**Knowledge:** Functional Programming and Agile Development

## Work Experience /

### Senior Software Engineer

Mar 2018 - now

Sidecar Health

El Segundo, CA

- Frontend development
  - Designed and implemented mono-repo web projects including admin panel, landing page, centralized UI library, and utilities
  - Created PDF generating service powered by Node.js and React.js
  - Advocated and introduced Functional Programming methodology
  - Improved page performance by adopting server-side rendering
- DevOps
  - Automated infrastructure provisioning and management
  - Transformed legacy architecture into Terraform (*infra as code*)
  - Created CI/CD pipelines for all API microservices and web projects
  - Enforced Sentinel Policy to reduce human error in provisioning infra
  - Setup multiple alerts and monitors to inspect service healthiness
  - Created Disaster Recovery site and ran emergency rehearsals
  - Reconstruct VPN/VPC connection mesh in development environment
  - Led and coordinated load testing and fine-tuned server settings
- Leadership and management
  - Established hiring process for Frontend and DevOps engineers
  - Started code review process and integrated with CI CD pipeline
  - Introduced trunk base development and integrated into pipeline
  - Provided training in GraphQL, React Hooks, and Server Side Rendering
  - Facilitated sharing session: Terraform and networking mesh
  - Trained and onboard developers with development flow and infrastructure

### Full-Stack Web Developer

Jan 2016 - Dec 2016

MediaTek Inc.

Taipei, Taiwan

- Development
  - Developed and tested APIs for web, mobile, and wearable devices
  - Reconstructed large-scale authentication API backend
  - Bootstrapped a React.js email engine generating SVG charts
  - Built landing pages for health-related wearable products
- Interpersonal/Teamwork
  - Worked closely with designers using Sketch as a communication tool
  - Automated workflows for Frontend team with DevOps engineers

## Education /

### National Taiwan University

Sep 2011 - Dec 2015

Bachelor of Arts in Economics

Taipei, Taiwan