



## Zexin Wan

### Personal Statement

6 years experience in full stack development and ever worked for his own company as co-founder. Proficient in back end and cloud architecture. Azure solution architect certificate holder.

### Skills

**Back end:** NodeJS, TypeScript, MySQL, MongoDB, Redis, Python, distributed system design.

**Front end:** React, TailwindCSS, NextJS, TypeScript

**AI LLM:** GPT API, Langchain, LlamaIndex, Stable Diffusion

**Cloud & DevOps:** Azure(with SA Cert), AWS, AliCloud, (Computing, Networking, Storage, MQ, Permissions, etc...), Terraform, Docker, k8s for microservice

**Other:** Git, CICD(Circle CI, Azure DevOps, Git Actions), Familiar with Asana and Jira, Good written and speaking skills in English

### Work experience

#### TZ Digit - Founder

Apr 2023 - Jul 2023

#### RPA system for email automation with ChatGPT

Primary tech stacks: **Node.js, React, PostgreSQL, MongoDB, Azure**

1. Design and implemented an RPA system to orchestrate and schedule tasks.
2. Implemented an workflow app that can use drag-and-drop feature to define tasks with graph structure. (React Flow)
3. Implement the predefined workflow in back end with a serverless + message queue architecture. (Azure Function App, storage queue)
4. Design and implemented the orchestrator and scheduler for running multiple tasks in a high-concurrency environment. (NodeJS, TS + Design Pattern)
5. Design and implemented the cloud architecture in Azure.

#### Wistron - full stack developer

Jan 2022 - Mar 2023

#### SKM Eat (Website, Online food ordering platform, 15,000+ DAU)

Primary tech stacks: **Node.js, React, MySQL, AWS**

1. Design and implement the cloud architecture in AWS. (network, computing resources, monitoring, logging, IAM, static storage, MQ, credential managements, etc)
2. Back end development by Node.js express. (ordering, payment integration, authentication, permission management for admin console, auto refund, etc)
3. Front end development by React. (ordering pages, admin console pages)
4. Build CICD pipelines for deployments by Circle CI. (BE CICD and FE CICD)
5. Write Terraform scripts to automate the deployment of AWS cloud resources (ec2, s3, vpc, secrets manager, cloud watch, lambda functions, SQS).

#### Full stack developer

Jul 2019 – May 2021

#### HSBC – PayMe (Website, Payment wallet with 2m+ users)

Main tech stacks: **Java, Spring Boot, Angular 2+, MySQL, k8s, Azure.**

1. Front-end development for the business portal site by Angular. (transaction list table, refund page, account & sub account management pages)
2. Back end development by Java Sprint Boot. (login authentication, transaction list, refund, batch refund, account & sub account management)
3. Configured k8s cluster for the newly created microservices (transaction, user management)
4. Cloud: configured virtual network, virtual machines, application gateway, CDN, storage account, event hub and etc.
5. Configure CICD pipelines by Azure DevOps to deploy FE to storage account and BE to k8s cluster.
5. Writing tech documents and training new members who joined our team.

### **Co-founder & CTO**

**Oct 2017 – Jun 2019**

**GoGoMate (An online tour guide booking platform, 15,000+ users)**

Main tech stacks: **Angular 2+, Flutter, Node.js, MongoDB, AliCloud.**

Products: Website, App

1. Front end (Angular): Build a website to showcase tour guides profiles, editing profiles, searching based on geo locations & google maps, real-time chat page.
2. Back end (Node.js): Build features like booking with tour guides, payment integration with PayPal, AliPay, bank cards, real-time chat mechanism, full-text search and etc.
3. App (Flutter): Build screens of booking by calendars, payment and real-time chat.
4. Cloud (AliCloud): Configured EC2 for website and BE hosting, OSS for image storage and processing.
5. Managing development progress of the team, making decisions on company's technical directions.
6. Cooperate with the company's founder, designers and marketers about product design and business strategies.

### **Certificates**

Azure solution architect certification

**2019 - 2022**

### **Education**

University of Liverpool (Bachelor 2:1)

**Sep 2014 – Jul 2017**

### **Computer Science**

Activities:

Thales Group projects of Arduino programming (Oct 2016 – Nov 2016)

- Build a facial recognition device based on different distance sensors and Arduino electronic board

**Reference upon request**

## **Project introduction**

### **1. RPA system for email automation with ChatGPT**

This is an RPA system automates the sales email process, from creation to follow-up, boosting efficiency in reaching and converting sales prospects. Users can configure individual workflows, consisting of various jobs with multiple tasks (nodes), all managed concurrently on our robust backend. Capable of handling over 100,000 jobs simultaneously, this tool not only empowers a sales team but also offers unparalleled scalability.

Primary product: RPA.

### **2. SKM EAT - Wistron - full stack developer**

This is a platform under the brand SKM. It's an online food ordering platform which enables users to make reservations with restaurants, ordering food and pick it up from restaurants or delivery it to their home. After launch at Jun 2022, it has around 15,000 daily active users.

Primary products:

skm eat website & skm eat console (for company staff)

Tech projects:

skm eat website, skm eat console, backend, cloud (AWS)

### **1. Personal side project**

**Apr 2021 – Aug 2021**

#### **Haopianyi (WeChat Miniprogram, an online e-commerce store)**

An online eCommerce platform based on WeChat miniprogram. It has features like commodities showcasing, searching by categories, shopping cart management, make payments, edit account's profile and etc.

Primary products:

WeChat Miniprogram, order management console

Tech projects:

WeChat miniprogram, order management console, microservices, cloud (AliCloud)

Primary tech stacks: **Java Spring Boot, Angular 2+, MySQL, MongoDB, AliCloud**

1. Build a wechat miniprogram for eCommerce store, commodities displaying, buying and making payments.
2. Build back end microservices by Spring Boot for services like products, ordering, payment, notifications, scheduler, user management features and etc. ()
3. Design and implement cloud architecture by AliCloud. (API Gateway, VPC, ACR, ACK, OSS, CDN, DB, etc...)
4. Build k8s cluster for BE microservices with features like service discovery, load balancing,

rolling release.

5. Build CI/CD pipelines for deploying BE to ACK and FE to OSS. (YunXiao)

## **2. Payme - HSBC**

PayMe is a bank wallet app with functions similar to Alipay or WeChat Wallet, where people can pay by QR code, put their money in the wallet, receiving payments by the QR code.

Transfer money from someone's wallet to another's easily.

Primary products:

Merchant portal, PayMe App

Tech products:

Merchant portal console (web), backend microservices, cloud (Azure)

## **3. GoGoMate**

A platform where people can book tour guides online. The tour guide can also provide some experience services which is much like Airbnb's experience. It has around 15,000+ users.

Users can search tour guides by geo locations or countries and cities. Users can also make payment with the tour guide. After the tour guide finishes a journey with a visitor, the platform will pay for the tour guide.

Primary products:

Website, management console, App

Tech products:

Website, management console, App, backend, cloud (AliCloud)