

# Vivi Tian

[vivi.tian930@gmail.com](mailto:vivi.tian930@gmail.com)

0221614711

Website: <https://vivi-tian.vercel.app>

LinkedIn: <https://www.linkedin.com/in/vivi-tian/>

Github: <https://github.com/vivitian930>

Certifications: <https://www.credly.com/users/jing-tian.cb19ac1e>

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## Summary

Experienced in designing Azure cloud architectures, cloud-native app solutions architecture, and implementing DevOps/GitOps best practices, with strong communication skills and ability to work independently or as part of a team. Skills and expertise in:

- Solutions Design: Cloud-native and microservices architectures
- Kubernetes/Istio
- Azure DevOps/ Github
- IaC and Terraform
- Azure Cloud Architect
- CI/CD pipelines
- Networking and Security

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## Certifications

(Full list of certification can be found in [credly](https://www.credly.com/users/jing-tian.cb19ac1e))

Microsoft Certified: Azure Solutions Architect Expert  
Expert for Istio Service Mesh by Solo.io

Microsoft Certified: Azure Administrator Associate



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## Work/Project Experience

Self-employed 2020-present

### Customized Azure/Azure DevOps Landing Zone Delivery Everything as Code

- Azure DevOps projects automation: terraform Azure pipeline to create DevOps projects, setting up access, and branch protection policies.
- repositories automation: create repos and Azure pipelines automatically
- Subscription automation: create management RG with RSV, KV, Log Analytics etc., and pre-defined Azure policies guardrails.
- Workspace automation: terraform pipeline to create project RGs, infra SPN, DevOps service connection, grant pipeline permission to use service connection, and role assignment
- pipeline\_templates: terraform pipeline templates to be consumed by all infra repo
- Azure policy engine: terraform engine for easy deployment of Azure Policy definitions, initiatives, exemptions, and assignments

#### Tech stack:

- DevOps: Azure Repos, Azure pipelines, service connections
- Azure Cloud: subscription management, Azure Landing Zone development, Identity Management
- IaC: Terraform, ARM Template, powershell, bash, python

References available upon request

## AI Art Generation Integration/Automation, ChatGPT + Midjourney

- Design a fully-automated AI image generation solution leveraging ChatGPT, Midjourney, Azure function, Azure App Configuration, Discord API, Discord bot
- Design + deliver a scalable Discord ChatGPT bot to facilitate image prompt generation for human users, Container App/Kubernetes + KEDA
- Implement a ChatGPT web server prompt engineered to serve Image AIs like Midjourney, LeonardoAI, including random and targeted prompt generation
- scheduled Azure function to send image generation command using GPT provided prompt every 45 seconds.
- Using Azure App configuration to control the generated prompt from external

### Tech stack:

- Azure: Container App, Azure Functions, App Configuration, Key Vault
- DevOps: Azure DevOps pipelines, Azure Container Registry, Docker
- Security: Service principal, managed identities, Key Vault access policy
- Programming: python, nodejs, bash, yaml, terraform

## Customized ChatGPT

- simplified UI and added core functionalities
- all NLP models from OpenAI made available, user can choose the most suitable model for a specific task
- able to form a conversation from previous responses from any model to feed to ChatGPT
- totally get rid of response cut off, long response made easy
- deployed with Azure App Service + Key Vault (store API keys), or AKS

### Tech stack:

- Azure: Kubernetes, App service, Istio, Key Vault
- DevOps & GitOps: Azure DevOps, Azure Container Registry, ArgoCD, FluxCD, Flagger, Terraform, Ansible, multi-stage Dockerfiles
- Web Dev: flask, nodejs, express, React.js, Next.js, Tailwind CSS

## Next.js Portfolio

- responsive UI layout with dark and light mode, built with next.js, tailwind css
- elements animation using framer-motion

## Other Experience

### Graphic Designer at various companies

2015-2019

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## Education

**Bachelor in Art Design** from Beijing Jiaotong University

09-14

**Diploma in Business Management** from New Zealand Institute of Study

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