Johnson Zhang

SOLUTION ARCHITECT & PRODUCT BUILDER

Cloud, data and AI platforms. Thoughtful native Apple apps.

Portfolio: johnson.nwai.cc | LinkedIn: linkedin.com/in/johnsonzhangdata

PROFILE

Solution architect with a technology career spanning more than 20 years, from networks and enterprise infrastructure to cloud architecture, automation and data-platform delivery. Combines hands-on engineering with solution design, customer enablement and independent native-app development.

SELECTED CAREER HISTORY

Dataiku

Sr. Solution Architect | APJ

Enterprise data-platform architecture and deployment across AWS, Azure, Google Cloud and Kubernetes. Enterprise data integrations, customer and partner enablement, troubleshooting, and delivery from pre-sales through implementation.

Chamonix IT Consulting

Consultant | Oct 2021 - Jan 2022

Cloud architecture and consulting.

Data#3

Consultant | Apr 2015 - Oct 2021

Cloud, infrastructure and automation delivery.

EMC

Senior Solutions Architect | May 2007 - Oct 2014

Enterprise infrastructure and solution architecture.

Earlier experience

Sinobest IT | System Engineer | Dec 2004 - May 2007

Yingtong Network Investment | Network Engineer | Jul - Nov 2004

TECHNICAL FOCUS

Cloud: AWS, Azure, Google Cloud | Platforms: Dataiku, AKS, EKS, GKE
Automation: Terraform, ARM, CloudFormation, Python, PowerShell
Delivery: Azure DevOps, Jenkins, AWS CodePipeline
Data integrations: Snowflake, Synapse, BigQuery, Redshift, PostgreSQL
Native apps: Swift, AVFoundation, AudioToolbox, XCTest

Selected work & products

Customer identities are omitted from the project examples below.

ENTERPRISE PROJECTS

Cloud migration strategy | Government

AWS, ECS, CodeBuild, CodeDeploy, Docker

Designed migration strategy and target architectures for an estate of 200+ applications and 150+ VMs. Developed a 7R decision framework and supported containerisation proofs of concept. These figures describe estate scope, not completed migrations.

Application modernisation | Government

AKS, Terraform, Azure DevOps, ACR, Key Vault, Azure SQL, PostgreSQL

Containerised .NET Framework and .NET Core applications for Azure Kubernetes Service. Built infrastructure and release pipelines spanning development, test, pre-production and production, including private network integration.

Infrastructure renewal | Insurance

vSphere 7, Metro Storage Clusters, Dell PowerEdge, Compellent

Led solution design, migration planning and engineering oversight for a refreshed virtualisation platform. Created the runbook and migration strategy for 200+ VMs, planned for a migration window of less than two months.

INDEPENDENT APPLE APPS

Senseward: Read & Learn

Mac and iPad | senseward.nwai.cc

Language learning from personal EPUBs, PDFs and audiobooks. Contextual vocabulary, spaced repetition, Anki export, supported on-device speech and transcription, and optional AI assistance.

Audiobook M4b Binder

Mac | audiobook-binder.nwai.cc | github.com/aitrail001/m4b

Combines chapter audio into an Apple Books audiobook with editable metadata, cover art and chapter markers. A native, local workflow with no account required.

RECOGNITION & EDUCATION

Microsoft Azure MVP | 2020 - 2022

BSc, Optical Electronic Engineering

Huazhong University of Science and Technology | 2000 - 2004