**Zhuo Yihua**

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**Summary**

* 14 years of experience in building software and teams for the most demanding projects including insurance, banking, IOT, FX trading, government, and games.
* Technical leader and Senior full stack developer (Cloud infra, backend, frontend , mobile)
* Skilled programming language: Java, TypeScript, Python, Golang, Rust, Flutter, Swift, OC
* Skilled technology: Docker, Kubernetes, GRPC , Protobuf , AWS , GCP , SHIP-HATS, VueJs

**Work Experience**

**Jul 21 – Present**

Associate manager

Accenture

* Work in cloud migration project for Grab to migrate ec2 based application to Azure k8s based application.
* Golang programming. Create adaptors for all AWS based services to correspond to azure services
* Create API by GRPC definition which supports both http and grpc protocol.

Key skills: Golang, terraform, k8s, consul.

Work in the National Digital Identity SRE system for Govtech.

Lead team to implement SRE system for Singpass, Design and implement program and ci/cd for SRE System.

Key Aws components: Redshift, Glue, Crawler, CloudFormation, Code pipeline, EC2, S3, Lambda, SNS, API GATEWAY, CloudFront. DynamoDB, Sagemaker, FIS, CloudWatch, Elasticsearch, Kibana, Prometheus, Playwright, Jira Cloud Automation

Key skills: Python core programming. Terraform. CloudFormation , SHIP-HATS, CI/CD pipeline design and implementation includes SAST ,DAST, E2e Test , Deployment Automation.

**Feb 2015 – Jul 2021**

Software Architect

Stargazer Industries Pte Ltd

* Lead the team to implement software for multiple projects by using memory column database, google big query, Oauth2 and OpenAPI.
* Key skills. K8s. Spring Boot , Quarkus , Rust , Golang, typescript , voltdb , kafka, Reactjs, Flutter, Python, Elasticsearch, Prometheus, helm charts

⮚ Build API for internal system communication and integration with client by OpenAPI

**Jan 2014 - Jan 2015**

Software Architect

ST Electronics (Info-comm Systems) Pte Ltd

* Lead the team to implement a network device monitoring system.
* Key skills. Spring ,swing, servlet, Hibernate

**Jan 2010 - Dec 2013**

Project Manager

Fairex International Financial Systems Pte Ltd

* Lead the team to develop a high-performance online FX trading and backend office system which had multiple front-end applications connected and was linked with global T1 banks and major FX brokers.
* Core programmer of the FX trading systems for OMS, Rate Feeder, Fix Gateway, ESP, Charting. CTMS, Roll Over, White Label, etc.
* Implemented the strategy required by the client for the Algorithm and High-frequency trading module.
* Key skills. Spring , Struts2, GWT, Gigaspace. Netty

**Projects achieved**

* Microgaming wallet system
  + Kubernetes based system targeted to process huge numbers of orders. The current processing capacity is 80Ms transactions / day.
  + Big data query and storage, data streaming pipeline.
* Prudential group insurance system
  + Insurance processing engine and integrated with Prudential core system

* We charge.
  + Mobile app. Internet of Things
* Network morning system
  + Monitoring device for the army

* UOB-Kay Hian- Currenex ESP Module
* UOB-Kay Hian- FX Trading System
* FX Trading system
* UOB-Kay Hian -FXBOSS System (C#)
* Money Changer Platform
* UOB Private Banking System
* GKGOH – Hotspot New York (algo, high frequency) trading platform
* UOB FX SPACE trading platform
* UOB FX Market real time forex trading system
* GKGO FXSPACE trading platform
* ONGFIRST FXSPACE trading platform

**Education**

Master of Information Technology

University of Southern Queensland, Australia

2010.1-2011.9

Undergraduate

Shanghai Tongji University

2005.9 -2008.7