Wong Jiang Fung
DevOps Engineer

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Career Objective

To build a solid engineering foundation for teams who have the ambition and resolve to bring the best product to the market.

Work Experience

Director of Engineering
Leadbook Pte. Ltd.
https://www.leadbook.com   *March 2021 - June 2023*

- Spearhead the DevOps process
  - Move legacy infrastructure management to IaC.
  - Implement proper CI/CD workflows to improve engineering productivity.
  - Containerize all projects and migrate the backend from VMs to DOKS, to cut the infra cost by around 50%.
- Re-architect strategic backend components to make them performant, scalable and HA.
- Lead the team to revamp the platform to meet new product requirements due to a business model pivot.

Python FastApi MLOps Airflow Kafka AWS Digital Ocean Terraform
Ansible Docker Kubernetes

DevOps Consultant

Consulting Work

https://tech.kakarukeys.quest

December 2014 - Present

I have done several short-term projects with local companies in Singapore. Notable ones:

1. Develop a model serving platform for a healthcare AI startup that targets major insurance providers and private hospitals in Singapore.

- Convert numpy, pandas data transformation code from data scientists' notebooks into readable and performant code for production.
- Set up Jenkins for MLOps automations including rollout of new model binaries, and deployment of new data pipelines.

2. Work on the observability stack of an ESG consulting company.

- Set up Prometheus and Grafana monitoring stack on k8s.
- Troubleshoot missing logs problems in their log aggregation setup.
- Set up EFK stack for log aggregation.
- Optimization of cloud expenses.

Python   Flask   Pandas   PyTorch   MLOps   Kubernetes   Argo CD
Prometheus   Grafana   EFK   AWS   GCP

Tech Lead

Leadbook Pte. Ltd.

https://www.leadbook.com

January 2016 - October 2017

Leadbook is a lead generation platform that provides verified business contacts to sales & marketing teams worldwide.

- Launch a new subscription-based SaaS platform to the market.
- Build the essential components required for the product
    - Multi-tenant account management
    - Credit card payment and subscription
    - Marketing automation
    - CRM integration
- Hire experienced engineers and manage a tech team.
- Liaise with the product owner to create a product backlog from business requirements and do story prioritization.

Python Django Javascript FB React Postgres Elasticsearch MongoDB
AWS

Senior Software Developer
Intelligentpipe Pte. Ltd.
https://www.intelligentpipe.com   *December 2012 - November 2014*

Intelligentpipe provides the telecommunication industry a network asset management solution based on in-memory big data technology. The solution helps the users monitor their assets, comply with government regulations, and monetize their customer data appropriately.

- Create proof-of-concept demos for pre-sales purposes.
- Maintain the CI/CD workflows that integrate and deploy POC continuously on AWS.
- Create and maintain the process to bootstrap bare-metal environments and deploy the final product.

Scala Spring Gridgain Vagrant Saltstack Razor Jenkins AWS

Software Engineer
JamiQ Pte. Ltd.

https://jamiq.com   *July 2010 - October 2012*

JamiQ was a social media monitoring company that served the Singapore government, local telcos, and PR agencies, which started to discover social media's impact on their brands.

- Designed and maintain the core product's web frontend.
- Created an algorithm to monitor anomalies in the users' social media data stream and uncover any changes in the public's sentiment on their brands.
- Developed a new real-time stream processing backend to process voluminous social media data in a scalable and fault-tolerant way.

jQuery   Javascript   Python   Django   Postgres   Clojure   Twitter Storm
Apache Solr

Skillsets

Prog. Languages

- Python: 12 yrs

- Javascript: 7 yrs

- Go: 2 yrs

Others: Scala, Clojure.

Databases

- Postgres: 8 yrs

- Elasticsearh: 4 yrs

- Kafka: 2 yrs

Others: MongoDB, Redis, SQLite, MySQL.

DevOps

- Linux: 10 yrs

- AWS: 6 yrs

- Kubernetes: 3 yrs

  Others: GCP, DO, Terraform, Ansible, CI/CD tools, Prometheus, EFK

Technical Leadership

Experienced in

- SCRUM, Scrumban, Kanban
- Planning and organizing product backlog
- Communicating business and design requirements
- Tech recruitment
- System design

Education

National University of Singapore

Bachelor of Science, Second Class Honours, Physics.

Jul 1999 - Dec 2003
CAP: 3.96 / 5

Master of Science, Physics

Jan 2005 - Dec 2007
CAP: 4.5 / 5

Conferences

PyCon APAC 2010

A Predictive Text Completion Software in Python, Wong Jiang Fung

https://web.archive.org/web/20100901115101/http://pycon.sit.rp.sg/conference-1

Certificates

Certified Kubernetes Administrator (CKA)

18/07/2023, KodeKloud

https://ude.my/UC-71e076e9-d608-43bf-ab62-b49fa9565083

Languages

Spoken / Written

English   Mandarin   Malay

Understood

Cantonese

Personal Particulars

- Citizenship: Malaysian
- Immigration Status: PR