

# **Joshua Chan**

## **Software Engineer**

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### **Full Stack Engineer, Hyperlab**

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## **Experience**

### **Hyperlab / Full Stack Engineer**

September 2018 - PRESENT, Malaysia

Developed Conversational AI for Enterprise:

- Integration with external systems such as Zendesk, Microsoft PowerBI, Workday and Oracle HRMS using SOAP and REST API.
- Design, build and deploy conversational interfaces with analytics and content management platform:
  - In charge of core NLP/NLU process framework
  - Developed interface for bot training, testing, publishing and versioning with multilingual support and RBAC
- Automate and improve software development processes:
  - Write clear and complete documentation in Wiki
  - Prepare CI/CD using Azure Pipelines
  - Deploy Kubernetes cluster in Alibaba Cloud
- Lead both cloud and on-premise deployments:
  - Setup scalable infrastructure on Linux VMs, familiar with various OS such as Ubuntu, CentOS, RHEL
  - Experienced in setup of load balancing, reverse proxy, high availability cluster configuration
  - Involved in system stress testing, process monitoring and performance optimization

Some of the technologies used:

- React, TypeScript, NodeJS, Go
- Nginx, Redis, PostgreSQL, MariaDB, Redis, Elasticsearch
- Microsoft Azure, AWS, Alibaba Cloud, Docker, Kubernetes

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### **Mama Wash / Full Stack Engineer**

June 2018 - August 2018, Malaysia

Developed internal and customer-facing software applications:

- React, Redux, Redux Saga, TypeScript, Semantic UI
- Django, DRF, Digital Ocean, Nginx, Apache2

Worked in a small team with frequent sprint planning, meetings:

- Followed the Scrum agile framework for software development
- Daily standups and presentations
- Trello, Bitbucket, Slack

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## Skills

Knowledgeable in multiple programming languages, markup languages and frameworks.

- C++, Java, Go, Ruby, Python, R, PHP, TypeScript, HTML5, SCSS
- Bootstrap, Materialize, Angular Material, Semantic UI, Ant Design
- Angular, AngularJS, Ngrx, React, Redux, Firebase, Django, Flutter

Familiar with various project workflows and software development processes.

- Agile, Scrum, Sprint, ERD, UML
- Bash, Git, RHEL, Alibaba Cloud, AWS, Docker, Kubernetes

Possess strong algorithmic thinking, problem-solving and analytical skills.

- National ACM-ICPC Malaysia 2016 Champion
- Avid competitive programming contestant
- Quick learner and problem solver

Comfortable in communicating with people of different age, group, culture and social class.

- Can speak English, Mandarin, Cantonese and Malay
- Leader in various team activities

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## Education

**Bachelor of Computer Science** / Universiti Tunku Abdul Rahman

May 2014 - May 2017, Malaysia

CGPA: 3.8398 (Graduated with Distinction)

**Foundation in Science** / Universiti Tunku Abdul Rahman

May 2013 - May 2014, Malaysia

CGPA: 3.9736