

## Ken ZHANG

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### SUMMARY

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Ken ZHANG, a software engineer and DevOps engineer with 5 years of experience, has a strong desire to self-learn and grow, has a great enthusiasm for coding and consistently codes every day, and is always delighted to help others.

### EDUCATION

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#### Software Design, Bachelor of IT, University of Queensland

07 / 2019 -- Current

##### Course Highlights

- Python Programming - 7 out of 7
- Data Structure - 6 out of 7
- Web Design & Developing - 6 out of 7
- Cyber Security - 6 out of 7

Expected Graduation: 11 / 2021

### WORK EXPERIENCE

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#### Tutor, University of Queensland

02 / 2021 -- Current

- Teaching Computer Networking in the University course with 200+ participants, which was the largest number of students among all sessions in the university.
- Teaching Cyber Security Courses in UQ and helping professors select research students.

#### DevOps, Program Peak Developing Team, China (Remote)

04 / 2017 -- 04 / 2018

- Providing 99.99 percent availability of CI/CD, monitoring, logging audit, load balancing, caching, and server high availability through open source tool chains that includes Zabbix, ELK, HaProxy, and Nginx. Log data transfer via HA Kafka was implemented.
- Initiated and established the emergency procedures for data loss and service unavailability.
- Helped the team deploy the Django web on K8s with my experience on the CNCF (Cloud Native) Ecology.

### VOLUNTEER EXPERIENCE

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#### Volunteer, KubeCon China, 2019

06 / 2019 -- 06 / 2019

Helped Ant Financial Group (pre-IPO) with testing Canary releases, Service Mesh, Distributed Transactions and Serverless before KubeCon workshops.

#### Volunteer, KubeCon North America, 2019

11 / 2019 -- 11 / 2019

Interviewed with the CNCF TOC (Technical Oversight Committee) member about the study direction in computer science, K8s, and Cloud Native. Photography of presentations and events.

### PROJECT EXPERIENCE

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#### Skyscraper - Overseas People Healthcare Assistance

As the main developer, developed the core features of the application, built a full-stack web application project using ReactJS, LESS CSS, and Gin.

#### Clinical Informatics Systems Based On [FHIR](#) Workflows

As the team leader, build an application developed for clients from CSIRO, using production level patient data, based on the FHIR API to process the radiological clinical workflows.

#### Automated deployed & scaling supported DevOps Pipeline

As the main DevOps Engineer, Built CI/CD integrated Jenkins pipeline, SonarQube code quality analysis, and Gitlab. Implemented Worker Node auto-scaling on K8s.

## SKILLS

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### Programming Languages

**Experienced:** Python, Java

**Familiar:** C++, C#, C, Golang, JavaScript, Clojure, Haskell

### Cloud Computing

Experienced the operations of Linux (RHEL, CentOS, Ubuntu Server), and also well-versed in container orchestration tools like K8s. Knowledgeable in Python automation, database administration, and cloud computing platforms such as AWS services (EC2, S3) and Google Cloud Platform services (GCE).

### Web Development

Frontend Server: familiar with HTML5, CSS3 (incl. LESS), and JavaScript (incl. ReactJS, jQuery).

Frontend UI: familiar with Bootstrap 4, Bootstrap React, Ant Design (React)

Backend Server: experienced with Django (Python), Gin (Golang), LNMP (PHP).

Backend Database Systems: experienced with MySQL, MongoDB, and ElasticSearch.

### Cyber Security

Web Penetration Testing with Burp Suite, Nmap, Metasploit, Beef XSS. Understand the principles of various web security vulnerabilities.