

# Kun Zhou (Jeremy)

Self-motivated Can-do Developer

Keep looking for self-challenge position

## Information

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Permanent Residency

## Profile

Software Engineering qualified industry experienced team-oriented DevOp with good work ethic keep seeking a challenge along with a be-proud-of team in Australia that provides opportunity to apply up-to-date knowledge in IT

## Key Skills

- Java Programming

Advanced java skills, proficient in Java Programming; good at algorithm design; good at Java native front end including swing; master the techniques of debugging and testing for Java programs. Intermediate level skills in Java EE (Hibernate, Spring, Struts and Spring boot)

- Full stack engineering

Familiar with front end structure including Vuejs. Intermediate level skills in JavaScript, HTML5, XML, CSS, jQuery, Web Service based on SOAP, iReport; have good knowledge about Ruby on Rails and PHP framework.

- Robotics and AI

Intermediate level skills in project development based on python based on cutting edge deep learning model including mask-rcnn, shufflenet. Familiar with ROS structure.

- Other Language

Intermediate level skills in project development based on C# and WPF; Have knowledge on MVVM. Practical experience on Objective-c, swift under iOS. Practical experience on Android development.

- Database

Proficient in PostgreSQL and MySQL; good at SQL; familiar with Database design and administration.

## Project Experience

**August, 2018 to July, 2020**

**Kiktech Robotics, China**

**Project:** System based on AI for forklift dispatching system

**Description:**

The forklift dispatching system is aiming to control auto-forklift to grab pallets and deliver to destination.

From analyzing result on bird-view image, the system provides the location of the pallets on the ground and report the available destination for given delivery task. The system provide restful service for system control and status reports.

**Key responsibilities:**

- ✓ Design and implement the system structure.
- ✓ Leading coding and testing.

**Key languages or techniques:** python, OpenCV, restful service

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**March, 2016 to August, 2018**

**Kiktech Robotics, China**

**Project:** AGV Dispatching System

**Description:**

The whole system is aiming to deliver items to fulfill the order from ordering system for online-retail industry in warehouse like Amazon.

Developing dispatching System for AGV (Kiva like). The system includes three parts: picking station terminal, traffic and path control system, robot management system.

**Key responsibilities:**

- ✓ Design and implement the dispatching system structure.
- ✓ Design communication protocol with AGV.
- ✓ Leading coding and testing.

**Key languages or techniques:** Java, Vue, SQL, MySQL, C#

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**August, 2013 to December, 2015**

**Kiktech Software**

**Project:** POS System

**Description:**

Based on new customer requirement, new features will be added on existed POS System, including Web service, iPad terminal, Self-Ordering System, Label Printer support.

**Key responsibilities:**

- ✓ Maintenance of current POS System.
- ✓ Design and implement new feature based on customer requirement.

**Key languages or techniques:** Spring MVC, Objective-C, RESTful Web Service, WPF, MySQL, ESC/POS, Hibernate, Tomcat, Design Pattern, Label Printer

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**November, 2012 to July, 2013**

**Kiktech Software**

**Project:** Self-Checkout Project

**Description:**

Focused on building a complete self-checkout solution for small business like supermarket and restaurant. The aim of this project is reducing the cost of salary of employee and management.

**Key responsibilities:**

- ✓ Designed and implemented Multi-terminal Self-checkout application based on WPF and SOAP.
- ✓ Designed and implemented self-checkout application on iOS which could scan barcode on product and submit order to server.

- ✓ Designed and implemented datacenter which could process order information and print them from remote DTU printer.

**Key languages or techniques:** C#, WPF, MS SQL, ESC/POS, SOAP, iOS, TCP/IP, Design Pattern

**August, 2010 to July, 2012**

**Kiktech Software**

**Title:** Software Engineer

**Project:** POS System

**Description:**

Developed a POS system based on requirement of an Italian restaurant in Port Adelaide.

This system was divided into two parts: multi-terminal POS system and web ordering system which was used on tablets (for remote ordering).

**Key responsibilities:**

- ✓ Designed and implemented Multi-terminal java client including Ordering system, System management, Employee Management and reporting System based on Java Swing and Hibernate.
- ✓ Designed database.
- ✓ Documentation and testing.

**Key languages or techniques:** Java, SQL, MySQL, ESC/POS, Hibernate, Tomcat, Design Pattern

**February to November, 2008**

**University of Adelaide**

**Title:** Student

**Project:** Earth (Master of SE project, an online file system in MVC structure)

**Description:**

This is a MSE students' group project. This project is to help RSP Company (Australia) to develop and improve an open source file management system, which used the framework of Ruby on Rails. Version control of this project was carried out by using Git.

**Key responsibilities:**

- ✓ Implement part of requirement from client.
- ✓ Designed and implement plug-in system.
- ✓ Testing on component level.

**Key languages or techniques:** Ruby, Ruby on rails, PostgreSQL

## Education

<b>2007 to 2009</b>	<b>Master in Software Engineering</b> University of Adelaide
<b>2002 to 2006</b>	<b>Bachelor of Computer Science</b> Shandong University, China

## Activities and Interests

<b>Sports</b>	Tennis, table tennis, soccer, basketball
<b>Traveling</b>	Over 7 cities in china, 7 cities in Australia
<b>Others</b>	TV games, science fiction