

# CHUA ZHENG TAT

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## TECHNICAL SKILLS

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**Languages:** Python, Bash, Java, Javascript, SQL, Golang

**Frameworks, Software & Services:** Flask, Selenium, Flutter, React, Git, NodeJS, Cucumber, MySQL, Terraform, GitLab, Ansible, Springboot, Vim, AWS, Docker

**OSes:** Windows, Linux

## WORK EXPERIENCE

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S&P Global

2021-06 - Present

### Associate I Software Developer

- Delivered features, enhancements and tests on existing product built with Springboot
- Built a decoupled serverless service in Python using AWS Lambda, S3 and SQS that is IaC-controlled with Terraform
- Created scripts for internal use in Shell, Python, Golang for support and developmental use. User creation script reduced operation time from 3h to 1m, while test generation script reduced time taken to write tests from 4d to 2d
- Designed and built a standalone service on Spring Boot that performs ETL across multiple financial asset classes. Integrates with existing AWS S3 and RDS service, and is backed by Terraform
- Executed and planned major migrations and exercises for clients with high data loads (over 80 million records).
- Provided time-critical support, analysis and fixes for post-delivery maintenance as part of the L2/L3 support team
- Delivered performance fixes fixing memory issues and reducing total processing time from 8h to 15m
- Enhanced and maintained existing infrastructure built on Terraform and GitLab. Transitioned non-IaC resources to IaC to streamline delivery process.

### Technologies & Languages used:

Springboot, Java, Cucumber, GitLab, Terraform, Linux, Shell, Bash, AWS, Python, JUnit, Cucumber

Autodesk Pte Ltd

2018-11 – 2019-10

### **Client Services Representative**

- Utilized existing CRM and ERP platforms to provide support and order taking for clients.
- Provided troubleshooting and issue resolution for the product through investigative work with clients ranging from distributors to end consumers

Pole to Win Singapore Pte Ltd

2016-01 – 2018-11

### **Customer Support Team Lead**

- Spearheaded a small team of agents in daily operations. Liaised with Japanese clients for project objectives and targets. Did translations from English/Chinese to Japanese and vice versa.
- Removed human error and reduced time taken for operations by over 80% by implementing a Python script to extract data and manipulate data into the required format in Excel.
- Reduced time taken for workflow operations by over 30% through the implementing of scripts in Google App Script using Javascript.

## **PERSONAL PROJECTS**

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### **StudyBuddy**

Mobile application for flashcard-based studying with analytics for targeted learning built using Flutter

### **E-commerce Automation for [www.theo10.com](http://www.theo10.com)**

Built a Python automation script that utilizes WooCommerce's API for order retrieving and data manipulation

## **EDUCATION**

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University of Wollongong

2019-01 – 2021-06

### **Bachelor of Computer Science with Distinction, Big Data**

Ngee Ann Polytechnic

2010-01 – 2013-01

### **Diploma in Business Studies**