

Veronica Tjan

DevOps Engineer

me@veronicatjan.dev

SUMMARY

- Communicates in Chinese, English, Hokkienese, Indonesian and Malaysian equally.
- Enjoys challenges, thrives in teams, hard worker, excellent communicator, and strong writing skills.
- Adept at contributing to a highly collaborative environment, finding solutions, and delivering customer satisfaction.
- This resume is available at <https://techrez.io/resume/veronica-tjan>

SKILLS

Frontend

JQuery, SCSS, HTML5, CSS3, Bootstrap, UIKit

Backend

.NET, Flask, Django, Spring, Spring Boot, NodeJS, ExpressJ, gRPC

Devops

Apache Maven, Git, Gitlab, Docker, Jenkins

Documentation

Swagger, LaTeX, UML, Markdown, Microsoft Office, Google Docs

Operating Systems

Linux, MacOS, Windows

Programming Languages

Bash, C, C++, C#, Google Apps Script, Java, Kotlin, Javascript, PHP, Python, SQL, VBA

Data Stores

SQLite, MySQL, Redis

Tools and Libraries

Postman, Selenium, BeautifulSoup, xUnit, Coverlet, Wireshark, Google Analytics

Patterns, Standards and Specs

OAuth2, RESTful API, Responsive, Microservices

AWS

AppConfig, CloudWatch, EC2, Route53, S3

Languages

Chinese, English, Hokkienese, Indonesian, Malaysian

WORK EXPERIENCE

DevOps Engineer

MyRepublic | Telecommunications Company

Apr 2022 - Present

DevOps

- Work on AWS/GCP cloud Platforms consisting of Databases and CICD, Logging, and monitoring tools to provide stable and reliable DevOps service to Dev teams from Singapore and Australia. (GCP, AWS, CI CD)
- Migrated critical monolith PHP applications hosted on AWS EC2 with manual deployment strategy to containers hosted on Google Kubernetes Engine (GKE) with new Gitlab CI CD pipeline. (PHP, GKE, Kubernetes, EC2, Gitlab)
- Aggregated duplicate Gitlab CI scripts across 16 micro services backend repositories to a single repo for easier maintenance. (Gitlab, Microservices)
- Coordinated with Australia team to revamp existing Gitlab, Jenkins, Kubernetes micro services pipeline to have the ability to deploy to multi-cluster across several regions. (Jenkins, Gitlab, Kubernetes, Microservices)
- Production support for Payment Gateway update on multiple platforms involving Singapore and Indonesia teams.
- Gitlab Runner setup and maintenance on VM and Kubernetes cluster using ArgoCD, Helm, Docker and Makefiles. (Gitlab, ArgoCD, Helm, Docker, Makefile)
- Development of regression tests scripts using Selenium, C# and xUnit with Gitlab CI pipeline. (C#, Selenium, Gitlab)
- Development of service SDK using Typescript. (Typescript)
- Gitlab CI CD Pipeline design, implementation and maintenance for NextJS + React, Typescript + Loopback, Java + Maven + Springboot microservices and applications. (Gitlab, NextJS, React, TypeScript, LoopBack, Java, Maven, Springboot, Microservices)
- Ensure availability of infrastructure which includes troubleshooting underlying system if applicable.
- Coordinate with the SRE team on standard updated and ensure those are reflected on a regular basis.

Software Engineer

Nov 2020 - Mar 2022

BeamAndGo | Payment and digital marketplace

BeamAndGo Wallet

- <https://wallet.beamandgo.com/>
- Worked along side a team of 5 to architect, design and implement a web based digital wallet that supports customers' payments to BeamAndGo online store. (C#, Razor, .NET Core, MySQL)
- Designed, Implemented and Maintained third party SDK for integration purposes. (C#, .NET Core)
- Designed and developed 357 test cases for unit testing with over 90% code coverage. (xUnit, coverlet)
- Maintained documentations by designing and updating UML activity diagrams, state diagrams, sequence diagrams and class diagrams, specifying every function and third-party SDK details. (UML)

Messaging Service

- Worked with team lead to further develop an existing messaging service which is used to generate, queue, send and validate One Time Pin, send sms and emails. (C#, .NET Core, Redis)

DevOps

- Deployed web services by setting up AWS Target group and Load Balancer, updating AWS App Config for configuration and Route53 for subdomain configuration. (EC2, S3, Route53, CloudWatch, AppConfig)
- Set up Gitlab CI yaml file, Dockerfile and Makefile on Gitlab to test and build our libraries. (Gitlab, Docker, Linux)
- Set up Jenkins for new projects, also set up gitlab to send a webhook to Jenkins to trigger the build whenever there's update to code base. (Jenkins, Gitlab)

Auth Service

- Maintained authentication and authorization codebase. (OAuth2)
- Made sure the service is working correctly by thorough integration testing, eliminating critical issue of the service before launch. (Integration testing)

BeamAndGo Payment Stacks

- Designed and developed 237 test cases for unit testing with over 100% line | 93% branch | 100% method code coverage.
- Maintained documentations by designing and updating database design, state diagrams and sequence diagrams. (UML)
- Designed webhook to include hmac in the payload (keyed hash message authentication code) for data integrity and authenticity. (Webhook, HMAC)

Web Developer

Jul 2020 - Oct 2020

Hacotec Systems | Manufacturing

Frontend

- Complete redesign of the official page. (Bootstrap, HTML5, CSS3, Javascript, JQuery)
- Added GA tag for website analytic, automated analytic report to client's email. (Google Analytics)
- Search Engine Optimization (SEO) applied for better exposure.
- Converted all images to webp format, minified all CSS & JS files for faster load time.

Backend

- Customized database for product management. Stored contact informations as global variables shared by every pages of the site. (PHP)
- Set up contact form to send email to client's email. (PHP)

Devops

- Set up SSL certificate.
- Deployment to the server.
- Set up automated database backup.

Software Engineer Intern

Nov 2019 - Jul 2020

SUCSoft

Logistics Transportation Subsystem

- Designed, Wrote and reviewed code for subsystems of Intelligent Park Management System. (Java, Kotlin, Springboot, Apache Maven, Git, Swagger)

- Received excellent feedback from project manager.
- Designed more than 150 RESTful APIs. (RESTful API)
- Designed more than 20 Database schema to meet the client requirements. (MySQL)

Market Client

- Refactored outdated market client code base to satisfy new requirements from UI UX team and Software Requirement team. (Java, Spring boot, MySQL, RESTful API)

Asset Management Micro Service

- Paired with a senior engineer, designed the database, implemented APIs required by the Frontend team. (Java, Kotlin, Spring boot, MySQL, RESTful API)

EDUCATION

B.S in Software Engineer

Sep 2015 - Jul 2020

Zhe Jiang University, Hangzhou CN

Microsoft Club Member, Honors : Dean's List 2016-2017, Merit Scholarships

High School

Jan 2008 - Dec 2013

Pay Fong High School, Malacca MY

Excellent Student, Information Club

TRAININGS AND CERTIFICATIONS

CKA Certified Kubernetes Administrator

2022

<https://www.credly.com/badges/d96eac1b-c856-4888-97a8-0ba9bf54746f>

AWSome Day Online Conference

2021

<https://synnefree.notion.site/Certificates-92508819cea8406fa683dbce198c6282>

EF SET English Certificate

2019

<https://synnefree.notion.site/Certificates-92508819cea8406fa683dbce198c6282>

CCNA Discovery: Networking for Home and Small Business

2016

<https://synnefree.notion.site/Certificates-92508819cea8406fa683dbce198c6282>

International English Language Testing System (IELTS)

2014

<https://synnefree.notion.site/Certificates-92508819cea8406fa683dbce198c6282>

Adobe Illustrator

2013

<https://synnefree.notion.site/Certificates-92508819cea8406fa683dbce198c6282>

Oral English

2013

<https://synnefree.notion.site/Certificates-92508819cea8406fa683dbce198c6282>

Autodesk 3Ds MAX

2012

<https://synnefree.notion.site/Certificates-92508819cea8406fa683dbce198c6282>

Australian Mathematics Competition Certificate Of Profici... 2011

<https://synnefree.notion.site/Certificates-92508819cea8406fa683dbce198c6282>

PC Repair & Maintenance 2011

<https://synnefree.notion.site/Certificates-92508819cea8406fa683dbce198c6282>

AWARDS AND ACCOLADES

Zhe Jiang University Honor Foreign Student 2016

<https://synnefree.notion.site/16-17-759787e57f034445bd5eb7ac262f55fe>

High School Sophomore Year Certificate Of Excellence 2013

<https://synnefree.notion.site/Certificates-92508819cea8406fa683dbce198c6282>

High School Senior Year Certificate Of Excellence 2012

<https://synnefree.notion.site/Certificates-92508819cea8406fa683dbce198c6282>