


# Vijayanand Thangavelu

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 <https://vijathanga.github.io/resume/>

## Summary

A budding tech enthusiast currently looking for full time software development job opportunities in Singapore.

<https://vijathanga.github.io/resume/>

## Experience

### Freelance Software Developer

Self Employed

Jun 2022 - Present (1 year 2 months)

Currently working as a freelance software developer on various interesting projects...

- Working on custom ERP solutions for the manufacturing industry.
- Lead developer for a Zero Trust NAC solution.
- Worked on cloud orchestration automation tool.

### Web Backend Engineer

Shopee

Jun 2020 - Jun 2022 (2 years 1 month)

- I was the lead developer in the Orders Return team, which was responsible for the entire return order management right from accepting user return requests to seller-buyer negotiation to scheduling returns through 3PL, enabling quality checks for returned items and initiation refunds.
- I was also involved in the process of migrating the Return Application from monolithic to microservice architecture. The microservices were capable of handling 10K QPS.
- Apart from business as usual, I also mentored interns, took part in regular code reviews and helped with architecture planning.
- I developed a GoLand plugin for triggering the deployment of an application's microservice at different non-prod environments
- I was in charge of setting up a static analysis system for the entire Orders team which involved tweaking the open-source version of the GoLang CI tool.

### Senior Software Engineer

Visa

Jan 2019 - Jun 2020 (1 year 6 months)

- I was a key member of the team that set up and maintained CI/CD pipelines for the entire Data Product Development team
- I developed an application called CICD as a Service where teams can create and maintain their application's CI/CD pipelines.
- I was in charge of developing a template-based CI/CD pipeline creation tool solely. Using this tool, teams can create and alter their application's entire CI/CD pipeline through a single settings file in the repo.

- I developed a VS Code plugin that can parse and validate the settings file used for CI/CD pipeline creation.



## **Graduate Student Research Assistant**

National University of Singapore

Feb 2018 - Nov 2018 (10 months)

- Developed a generic distributed framework for NFV deployment on network edges.
- Worked on technologies like python, java, SDN, docker and machine learning.
- Designed and implemented solutions like device fingerprinting and anomaly detection.



## **Software Developer**

Cisco

Jul 2015 - Jul 2017 (2 years 1 month)

- C/C++ application developer for AnyConnect ISEPosture, a Network Access Control client software (has a user base of 80 million+).
- Key contributor to next-gen posture discovery - mechanism for client to locate NAC server when it connects to enterprise network.
- Developed software for both Mac and Windows platforms.
- Obtained exposure on C/C++, node.js, python, networking and Software Development Cycle.



## **Intern**

Cisco

Jan 2015 - Jul 2015 (7 months)

- Aided in testing various distributed storage technologies for application Identity Services Engine (ISE).
- Developed a proof of concept for log collection framework using Syslog and Riemann.
- Worked on technologies like HBase, CouchDB and Java.

## **Education**



### **National University of Singapore**

Master's degree, Electronics and Computer Engineering

2017 - 2018

Master's degree with Computer Science specialisation



### **PSG College of Technology**

Bachelor's Degree, Electronics and Communication Engineering

2011 - 2015

2015 ECE batch topper



### **GD Matriculation Higher Secondary School**

High School

2007 - 2011

## **Licenses & Certifications**



## **Cisco Certified Network Associate (CCNA) - Cisco**

Issued Feb 2016 - Expires Feb 2019

CSCO12938457

## **Skills**

Apache Kafka • golang • Amazon Web Services (AWS) • Kubernetes • Shell Scripting • Anomaly Detection • Internet of Things (IoT) • Go (Programming Language) • Agile Application Development • Static Analysis

## **Honors & Awards**



### **ECE Department Gold Medalist (2011 - 2015) - PSG College of Technology**

Jun 2015

Awarded with gold medal for securing 1st rank in ECE department (2011 - 2015)



### **All Rounder Award - PSG College of Technology**

Jun 2015

All Rounder award (ECE department) for excelling in various fields of study.



### **Innovator Award - Cisco Security Business Group**

Aug 2016

Awarded for enhancing productivity in team by building a tool that decreases development and testing time drastically.