

# David Choo

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## Skills

<b>Languages</b>	<b>Golang, Python</b> , Javascript, bash, Java, C++, C#
<b>Frameworks</b>	<b>Gin</b> , React, Node.js, Express, Vue
<b>Databases</b>	<b>MySQL</b> , Firebase, MongoDB, Postgres, MSSQL
<b>Monitoring</b>	Grafana, Prometheus
<b>Platforms</b>	Ubuntu, Docker, Kubernetes, AWS

## Experience

### Shopee Singapore | SITE RELIABILITY ENGINEER

May 2021 - Present

- Contributed to the development of 9 internal platforms owned by my team, mostly on the backend side.
- Monthly campaign preparation and midnight standby.
- Weekly rotational on duty support for internal users of our platforms.
- Investigated various issues reported by dev teams.

### Zendesk Singapore | DEVOPS ENGINEER INTERN

Jan 2020 - Jul 2020

- Bash scripted a packaging workflow as part of the plan to autoscale edge region EC2 servers.
- Documented and recorded a video guide on a self service dev machine provisioning project.
- Implemented a Slack bot that gathers relevant information for finding out what happened during an incident.
- Rolling restarted production servers as part of security patching exercise.

### UX Consulting | DEVELOPER INTERN

Oct 2016 - Feb 2017

- Experimented with MEAN (Mongo, Express, Angular, Node) stack to implement a prototype internal website for calendar booking.

## Education

### National University of Singapore | UNDERGRADUATE - BACHELOR OF COMPUTING IN INFORMATION SYSTEMS

Aug 2017 - Jan 2021

- CAP - 4.15 out of 5.
- Lead a team of 5 for a software engineering module, working with a 10KLoC codebase.

### Singapore Polytechnic | DIPLOMA IN INFORMATION TECHNOLOGY

Apr 2014 - May 2017

- GPA - 3.84 out of 4.
- Received Director's Roll during my first year of study awarded to top 10% of cohort.

## Projects

### ListTent - Audio based Social Media App (<https://listent.app>) | DEVOPS GUY

Oct 2020 - Nov 2020

- Setup infrastructure on AWS EC2, S3, MongoDB Atlas.
- Setup continuous deployment using Github Actions and Ansible with multistage environments.
- Assisted in creating marketing assets to advertise the app.
- Final Project for CS3216 (Software Product Engineering) where teams of 4 students work like a startup.

### Hole in the Wall game | [HTTPS://GITHUB.COM/DAVIDCHOO12/HOLE-IN-THE-WALL-GAME](https://github.com/DAVIDCHOO12/HOLE-IN-THE-WALL-GAME)

Jan 2020

- Implemented a browser game using Tensorflow Pose Estimation library.
- Winning submission for Hack&Roll 2020, my third solo hackathon. Most Entertaining Hack.

### Video Auto Caption | [HTTPS://GITHUB.COM/DAVIDCHOO12/VIDEO-AUTO-CAPTION](https://github.com/DAVIDCHOO12/VIDEO-AUTO-CAPTION)

Jan 2018

- Implemented a video captioning system prototype using Google Speech API and FFmpeg.
- Winning submission for Hack&Roll 2018, my first solo hackathon. Top 8 out of 120 teams.

### Nyx - Artificial Intelligence | FRONTEND DEVELOPER

Apr 2016 - Aug 2016

- Designed and developed a web chat UI, taking inspiration from Telegram and WhatsApp Web.
- Researched and integrated Firebase realtime database for the chat UI.
- Final Year Project which won SiTF and Microsoft Imagine Cup awards.

## Awards

2020	<b>Most Entertaining Hack</b> , Hack&Roll 2020 hackathon	Singapore
2018	<b>Top 8 Winner</b> , Hack&Roll 2018 hackathon	Singapore
2016	<b>Gold Award</b> , SiTF Awards	Singapore
2016	<b>National Champion</b> , Microsoft Imagine Cup National Final - Innovation Category	Singapore