

# David Choo

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## Skills

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

## Experience

<b>Shopee Singapore</b>   MARKETPLACE SITE RELIABILITY ENGINEER	May 2021 - Present
<ul style="list-style-type: none"><li>Contributed to the development, maintenance and support of 9 internal platforms.</li><li>Individually owned features for the platforms through design, planning, implementation, testing, maintenance.</li><li>Monthly campaign preparation and midnight standby for traffic spikes.</li><li>Weekly rotational on duty support for users of our platforms.</li><li>Investigated and solved various issues reported by devs.</li><li>Conducted datacenter migration operations for services under my scope of support.</li></ul>	
<b>Zendesk Singapore</b>   DEVOPS ENGINEER INTERN	Jan 2020 - Jul 2020
<ul style="list-style-type: none"><li>Bash scripted a packaging workflow as part of the plan to autoscale edge region EC2 servers.</li><li>Implemented a Slack bot that gathers relevant information for finding out what happened during an incident.</li><li>Rolling restarted production servers as part of security patching exercise.</li></ul>	
<b>UX Consulting</b>   DEVELOPER INTERN	Oct 2016 - Feb 2017
<ul style="list-style-type: none"><li>Experimented with MEAN (Mongo, Express, Angular, Node) stack to implement a prototype internal website for calendar booking.</li></ul>	

## Education

<b>National University of Singapore</b>   UNDERGRADUATE - BACHELOR OF COMPUTING IN INFORMATION SYSTEMS	Aug 2017 - Jan 2021
<ul style="list-style-type: none"><li>CAP - 4.15 out of 5.</li><li>Lead a team of 5 for a software engineering module, working with a 10KLoC codebase.</li></ul>	
<b>Singapore Polytechnic</b>   DIPLOMA IN INFORMATION TECHNOLOGY	Apr 2014 - May 2017
<ul style="list-style-type: none"><li>GPA - 3.84 out of 4.</li><li>Received Director's Roll during my first year of study awarded to top 10% of cohort.</li></ul>	

## Projects

<b>NUSWhispers Analysis</b>   <a href="https://nuswhispers.fyi/">HTTPS://NUSWHISPERS.FYI/</a>	Jan 2020 - Jan 2023
<ul style="list-style-type: none"><li>Hackathon project which I polished to completion.</li><li>Daily scraping of NUSWhispers facebook posts for fresh data.</li><li>Analyzed posts data with pandas for stats, sklearn TF-IDF for topic modeling, and post network analysis.</li><li>Developed responsive web frontend with React and Tailwind.</li></ul>	
<b>Russia's Losses</b>   <a href="https://russiaslosses.netlify.app/">HTTPS://RUSSIASLOSSES.NETLIFY.APP/</a>	Mar 2022
<ul style="list-style-type: none"><li>1 week project to visualize Russia's military losses over time in the Ukraine war.</li><li>Daily scraping of KyivIndependent's "Russia's losses" images and text extraction using Tesseract.</li></ul>	
<b>LisTent - Short-form Audio Social Media App</b>   DEVOPS GUY	Oct 2020 - Nov 2020
<ul style="list-style-type: none"><li>Final Project for CS3216 (Software Product Engineering) where teams of 4 students work like a startup.</li><li>Setup infrastructure on AWS EC2, S3, MongoDB Atlas.</li><li>Setup continuous deployment using Github Actions and Ansible with multistage environments.</li><li>Assisted in creating marketing assets to advertise the app.</li></ul>	
<b>Nyx - Artificial Intelligence</b>   FRONTEND DEVELOPER	Apr 2016 - Aug 2016
<ul style="list-style-type: none"><li>Final Year Project which won SiTF and Microsoft Imagine Cup awards.</li><li>Designed and developed a web chat UI, taking inspiration from Telegram and WhatsApp Web.</li><li>Researched and integrated Firebase realtime database for the chat UI.</li></ul>	

## Awards

2020	<b>Most Entertaining Hack</b> , Hack&Roll 2020 hackathon	Singapore
2018	<b>Top 8 Winner (in no particular order, out of 105)</b> , Hack&Roll 2018 hackathon	Singapore
2016	<b>National Champion</b> , Microsoft Imagine Cup National Final - Innovation Category	Singapore