

# Daniel Zhou

An Aspiring Software Developer in Singapore

Please visit my portfolio page at  
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## PROJECTS

### ProjectBalls — Web Application

A web application specially designed with an intuitive editor to significantly enhance the speed and ease of crafting gameplay snippets for coaches.

Developed with GatsbyJs, TailwindCss, Apollo Frameworks and deployed to AWS Lambda, CloudFront, Route53 using Terraform and GitHub Actions.

[Repo](#) | [Demo](#) | [Deployment](#)

### AnelaBot — Telegram Bot

A telegram reminder bot built with Natural Language Processing capabilities. Utilizes a combination of Named Entity Recognition (NER) and Syntactic Analysis to extract dates from reminders. Deployed to Serverless AWS resources.

Deployed to AWS Lambda and API Gateway using Terraform.

[Repo](#) | [Demo](#) | [Deployment](#)

### Polymer — Frameworks

A collection of frameworks to empower the use of Terraform in CI/CD Pipelines to deploy Serverless AWS resources. Consists of starter templates for both Frontend and Backend development, that extract configuration from YAML files to provision Serverless AWS resources with Terraform on GitHub Runners.

[Repo](#)

## EDUCATION

### Eunoia Junior College — A Levels (IP)

JAN 2020 - NOV 2021

Took PCM(KI) combination and attained AAA/B in A Levels.

Conducted a [workshop](#) about architecting webpages in EJC Unconference 2021 and attained [Dean's List \(Academic\)](#) in 2020. Also developed ProjectBalls for EJC's PE Department.

## PROFESSIONAL CERTIFICATES

[AWS Certified Developer Associate \(DVA-C02\)](#)

[HashiCorp Certified: Terraform Associate \(003\)](#)

[Apollo Graph Developer - Associate](#)

## SKILLS

Proficient in **Python** and **Node.js**,  
Familiar with **Linux** environments

Experience in **DynamoDB**,  
**PostgreSQL**, **NoSQL**, **Redis**

Proficient in **React**, **GatsbyJS**,  
**TailwindCSS** and **Apollo (GraphQL)**,  
**Flask**, **Django** frameworks

Experience in **NLP** and training **ML models**

Familiar with the **AWS cloud infrastructure**, especially in **Serverless Infrastructures**

Seasoned in using **Terraform** and **GitHub Actions** to craft **CI/CD pipelines**

## OTHERS

**Admitted University Course:** NUS  
Computer Science (starting 2024)

## EXPERIENCE

Portfolio Page:

[algebananazzzzz.com](http://algebananazzzzz.com)

### **Sustainable Lab Square — *Internship***

JUNE - JULY 2018

As an Assistant Content Creator, developed sample AI software with Python's NumPy, Pandas, Sklearn and Keras libraries without aid, including a functional AI software that pulls JSON data from a weather forecast API in a gardening watering project.

[Recommendation letter](#)