

# KEANNU BERNASOL

Full Stack Developer | Cloud Architect

Programming is the art of adding bugs to an empty text file



## SKILLS

- React JS | React Native | Typescript
- Python | Django | Flask | Celery | PostgreSQL | MySQL
- Google Cloud | Azure
- Adobe XD | Cypress | Selenium
- Docker | Kubernetes (Managed) | Nginx | KEDA
- Java | Swing

## CERTIFICATIONS

[CCNAv7 Switching, Routing & Wireless Essentials](#)

CISCO | February 2023

## EXPERIENCE

### LEAD BACKEND DEVELOPER & AZURE CLOUD ARCHITECT

SimpleDMCA

JAN 2024 – MAY 2024

- Lead development of RESTful API services, Stripe payment integrations, and Selenium scraping for lookup and takedown of digitally infringing content and media
- Spearheaded implementation of staging/prod environments, GitHub Action CI/CD pipelines, and continuous deployment to managed Kubernetes instances via Azure Container Apps, leveraging horizontally scalable architecture design through use of KEDA Scalers

### SYSTEMS ADMINISTRATOR

Freelancer

2016 - PRESENT

- Orchestrated a sizeable number of local and remote Linux-based devices under Debian and OpenWRT [🔗](#) ensuring network and service stability through failover and load balancing with average monthly ingress/egress traffic at 4.42TB [🔗](#)
- Successfully catered to hosting a broad range of personal and academic projects listed under the Service Queue Project, ensuring system uptime, performance, and stability of co-hosted services [🔗](#) with 14 co-hosted projects fully rolled out for public use [🔗](#) at 98% uptime
- Provided on-call computer repair and maintenance services for residential clients [🔗](#)

## PROJECTS

[Stud-E](#) ● UI/UX Designer | Full Stack Developer

React Native | Django | Adobe XD

A GPS-backed mobile app to promote study groups within USTP

[StudE-Frontend](#) | [StudE-Backend](#)

[Equipment Tracker](#) ● Full Stack Developer

React | Django

A progressive web app for tracking equipment SKUs and instances under the CITC department of USTP

[EquipmentTracker-Frontend](#)  
[EquipmentTracker-Frontend-Mobile](#)  
[EquipmentTracker-Backend](#)

[Service Queue](#) ● Systems Administrator

Nginx | Google Cloud Platform | Bash

Free-of-charge managed hosting or tunneling with inclusive SSL certificates and service health checks for homebrew projects

[Sign-ups](#) | [Status](#)

SimpleDMCA-Backend ● Backend Developer | Cloud Architect

Azure | Django | Kubernetes (Managed) | KEDA

Backend service for the SimpleDMCA app responsible for data retention, content scraping, and infringing content takedowns via Selenium and Celery workers

[Closed-source](#)

## EDUCATION

### BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

University of Science and Technology of Southern Philippines (USTP)

Magna Cum Laude | June 2024

