MOHAMMAD RAYAN **BIN ELIAS**

bineliasmohammadrayan@gmail.com | [GitHub](#) | [LinkedIn](#) | +639166438091

Education

Mapua University (Mapua Institute of Technology)   July 2009 - July 2015
Bachelor of Science in Electronics Engineering

Certification

PRC Board Licensed**:** Electronics Engineer (0076476) | Electronics Technician (0009568) Dec 2021
AWS Certified Solutions Architect - Associate (DRV9KFTC6BBQ135R)   Nov 2022
CCNA Cisco Certified Network Associate (CSCO14250196)   Jan 2023

Skills

Programming Language: Javascript, Python and Linux Shell Scripting with zsh
Framework: React and Django
Linux Operating System: CentOS, Debian and Ubuntu
Database: MySQL, PostgreSQL, MongoDB, InfluxDB and Redis
Database Administration: Replication, Sharding and Backup
Container: Docker
Web Server: Nginx and Apache
Load Balancer: HAProxy, ProxySQL and Google Cloud Load Balancer
TLS/SSL: Let's Encrypt
Secured connection: SSH
Version Control: Git
Cloud Platform: GCP and AWS
IaC tools: Hashicorp Terraform
Instance: GCE
Firewall: VPC Firewall and Cloud Armor
Storage: GCS
Log and Monitoring: Grafana, Google Cloud Monitoring, Google Cloud Logging
Serverless: Google Cloud Function, Cloud Run and App Engine
Extra Tools: VS Code, tfenv, pyenv and anyenv

Professional Experience

Realve Inc. Philippines   Makati, Metro Manila
Cloud Engineer - Infrastructure   April 2023 – Present
- Provision Cloud Resources with Terraform and monitor them with Grafana/Cloud Monitoring.

Procter & Gamble Philippines (Consumer Goods)   Cabuyao, Laguna
Product Supply Engineer – Feminine Care   Sept 2016 – Aug 2019
- Operate and maintain LCC and Christo Auto packer line to produce our superior quality product, Whisper (Sanitary Napkin).

Continental Automotive Corporation Japan (R&D)   Kanagawa, Yokohama
Algorithm Engineer Intern - Radar Team   Jan 2015 – Jun 2015
- True positive analysis of Advanced Driver-Assistance System product like ACC.

Project Portfolio

Docker

- Setup WordPress in LEMP and LAMP Stack with Docker Compose.
- MongoDB Sharding Cluster Replication with Docker Compose.
- Redis Replication + Sentinel with Docker Compose.
- Load Balance Nginx Servers using HAProxy with Docker Compose.
- Load Balance MySQL using ProxySQL with Docker.

GCP

- Understanding Zero Trust Security.
- Understanding VPC Network in GCP.
- Difference Between Snapshot, Image, Disk and Instance.
- Understanding Google Cloud CLI Environment.
- Understanding SSH to VM Instances in GCP.
- Deploy Nginx server GCE Instance using Terraform with GCS backend state.
- HTTPS Free SSL Certificate with Let's Encrypt on GCE.
- Global External Cloud Load Balancing with Unmanaged and Managed Instance Group Backend secured by Cloud Armor with Terraform.
- Deployed docker web app using Cloud Run.

Database

- MySQL Master/Slave on GCE with Automatic Failover and Backup.
- MongoDB Primary, Secondary, Arbiter on GCE with Automatic Failover and Backup by Terraform.

Logging and Monitoring

- Visual Nginx Status Metrics with Grafana + InfluxDB on GCE.
- GCE Instance Nginx Status Metrics with Cloud Monitoring with GCP Web Console.
- Nginx Access and Error Log Based metrics with Cloud Logging and Cloud Monitoring.

Web App Framework

- Image face recognition web app using ReactJS for front-end and NodeJS, ExpressJS, PostgreSQL for back-end.
- To do list web app using ReactJS for front-end and DjangoRest for back-end.