Worapol **Boontanonda**

MSc Student · Ex Data Engineer

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Education

MUIC (Mahidol University International College)   *Nakornpathom, Thailand*
B.Sc Computer Science   *Sept. 2014 - Aug. 2018*
- First class honours - GPA 3.57

The University of Edinburgh   *Edinburgh, United Kingdom*
M.Sc High Performance Computing   *Sept. 2021 - Aug. 2022*
- Currently studying expected to graduate in August 2022

Skills

Programming	Python, Javascript, Typescript, C/C++, Java, Scala, C#, Bash, Golang
Development Essential	Git (Github, Gitlab, Bitbucket), CICD (Gitlab), Jira/Confluence, Markdown
Web Development	React/VueJS, Ruby on Rails, Flask, Django, ExpressJS
Cloud/Deployment Tools	Docker, Kubernetes, AWS(Server, Serverless, Container), CDK, Terraform
Languages	Thai - Native, English - Highly Proficient, Chinese - Beginner Level

Experience

Mahidol University   *Salaya, Thailand*
Game Developer   *Jan. 2017 - Dec. 2017*
- Developed a Unity C# game call Fuekfon. The game is design for disabled people that recieve a stroke and lose the ability to move, it is design to make rehabilitation more engaging
- Maintained Fuekfon game this include debugging and adding more features
- Add more features to the game such as adding a timer to all of the game
- Refactor some of the code to support highscore system for each user

MUIC (Mahidol University International College)/ TTET (Toyota Tsusho Electronics Thailand)   *Nakornpathom/Bangkok, Thailand*
Backend Developer / Dev Ops   *May 2017 - July 2017*
- Collaborated in writing the window segmenter program to slice data for data analysis
- Wrote deployment scripts for docker-machine to create AWS EC2 instances
- Deployed and support data science team in running their program on EC2 instances this includes creating a Dockerfile for the data science code

MUIC (Mahidol University International College) / NEXTY (Toyota Tsusho Nexty Electronics Thailand)   *Nakornpathom/Bangkok, Thailand*
Data Engineer / Dev Ops / Backend Developer   *Jan. 2018 - May. 2018*
- Wrote a library to launch jobs/tasks on Kubernetes programmatically
- Wrote a data pumper which pump information from the RDS into Kafka
- Wrote a python connector that connect to Kafka and pull information to serve the client
- Deployed web application of the system on docker machine
- Wrote a live stream pumper which pump data from Kinesis into Kafka
- Performance optimization in pumping and consuming data in Kafka

NEXTY (Toyota Tsusho Nexty Electronics Thailand) / TTMI (Toyota Tsusho Mobility Informatics)   *Bangkok, Thailand*
Data Engineer   *Sept. 2018 - May. 2021*
- Converted an existing data science model into a platform
- Wrote serverless backend batch processing system using AWS Lambda in Python and Javascript
- Infrastructure as a code using AWS CDK (Cloud Development Kit) using Typescript for deploying AWS server and serverless application
- Wrote backend API using ExpressJS and Django Rest Framework
- Wrote API documentation and detail requirement of the application
- Fullstack development using NextJS (React + GraphQL)
- Unit testing using Jest for Javascript and pytest for Python
- Implement vehicle route problem solver using greedy and heuristic algorithm in Golang and deploy as a callable REST API.

Certification

AWS Certified Developer - Associate	demonstrated proficiency in writing applications with AWS service APIs - Expires Feb 2023
AWS Certified SysOps Administrator - Associate	comprehensive understanding on how to deploy, manage, and operate IT systems on the AWS Cloud - Expires Mar 2024