Worapol **Boontanonda**

Student · Data Engineer

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Education

MUIC(Mahidol University International College)   *Salaya, Thailand*
B.S. in Computer Science   *Sept. 2014 - Aug. 2018*
- Currently a 4th Year Student graduating in August 2018

Skills

Programming	Python, Javascript (NodeJS/ES5/ES6), C/C++/Cilk, Scala/Akka, JAVA, C#
Web Programming	Express, React/VueJS/JQuery, HTML5, Ruby on Rails, Flask, Spring, CSS
Mobile/Game/Desktop Programming	React-native, Android (Java), Unity, WPF
Cloud/Deployment Tools	Docker, Kubernetes, Docker Machine/Swarm, AWS(EC2, S3, ECR), DigitalOcean
Languages	Thai, English, Chinese(very little)

Experience

Thailand Ministry of Health / MUIC (Mahidol University International College)   *Salaya, Thailand*
Backend Developer   *Aug. 2016 - Aug. 2017*
- Create and manage the docker deployment of the web application
- Create basic authentication login, manage user, assign permission, system to upload lab data to the system (surveys) this is to be implemented as a RESTful microservice

Mahidol University   *Salaya, Thailand*
Game Developer   *Jan. 2017 - Dec. 2017*
- Fuekfon game is a unity base game. Design for disabled people especially for people that recieve a stroke and lose the ability to move, it is design to be a new kind of rehabilitation program
- Maintain Fuekfon game this include debugging and adding more feature
- Add more feature 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)   *Salaya/Chitlom Bangkok*
Backend Developer / Dev Ops   *May 2017 - July 2017*
- Help write a window segmenter to slice data for data analysis
- Write deployment scripts for docker-machine to create aws ec2 instances
- Deploy and support data science team in running their program on the ec2 instances this include creating a Dockerfile for the data science code

TTET (Toyota Tsusho Electronics Thailand)   *Chitlom, Thailand*
Data Engineer / Researcher/ Internship   *Aug. 2017 - Sep. 2017*
- Benchmark the performance of big table in this case Hbase using geomesa on traffic data vs PostGis
- Attempt to concurrently read and filter GIS data on PostGIS using scala and compare it against Geomesa
- Make conclusion on the finding on Geomesa and PostGIS performance on TTET traffic data

MUIC (Mahidol University International College) / NEXTY (Toyota Tsusho Nexty Electronics Thailand)   *Salaya/Chitlom, Thailand*
Data Engineer / Dev Ops / Backend Developer   *Jan. 2018 - May. 2018*
- Write a library to launch jobs/tasks on kubernetes programactically
- Write a data pumper which pump information from the rds into kafka
- Write a python connector that connect to kafka and pull information to serve the client
- Deploy web application of the system on docker machine
- Write a live stream pumper which pump data from kinesis into kafka
- Performance optimization in pumping and consuming data in kafka

Extracurricular Activity

MUIC Programming Club   *Salaya, Thailand*
Vice President   *Aug. 2016 - Aug. 2017*
- Help manage club activities and attempt to teach or influence junior and general people about the usefulness of prgrogramming

Honors & Awards

Domestic

2016	**Honorable Mention Prize**, Thailand IT Contest Festival		*Bangkok, Thailand*