

OBJECTIVE

Apply Python, Backend Developer, AI Engineer, fullstack web developer

PROFESSIONAL EXPERIENCE

Siam Cement Group(SCG) Django App Developer <ul style="list-style-type: none">Code reviewDebug, test, make test casesShare experience with team members	July 2024 - present
AppSmiths Technology Data Scientist, Python Developer <ul style="list-style-type: none">Find the liquid level and speed of sound with various formulas and assumptionsApply numerical analysis techniques for example Interpolation to find the speed of soundImplement solution to GraphQL in DjangoResearch the Deep Learning architectureApply parallel programming to speed up computing	Jan 2021- Feb 2024
Aegon Insights (Thailand) Limited <i>Backend Engineer Manager(Backend/TechLead/Manager)</i> <ul style="list-style-type: none">Design, Guide and Code not only software strategy and manage team with stake holderISO 27001, OIC(Office of Insurance Commission), PDPG(Personal-Data-Protection), and IFRS17 compliedBackend: Python/DjangoREST, GraphQLDeployment: AWS Lambda, Aurora, Papertrail, Sentry	May 2019 – Dec 2020
HBOT Co., Ltd. <i>Machine Learning specialist & Software Engineer(Backend/Frontend/DevOps)</i> <ul style="list-style-type: none">Design and implement intelligent system powered by neural network not only RNN, but also CNNAnalyze data and recommend decision based on given factTrain and test classifiersMaintain and secure Gitlab server, implement secure chat server, implement bot	Sep 2018 – March 2019
MagicBoxAsia Co., Ltd <i>Senior Software Engineer(Backend/Frontend/System/Business Analyst)</i> <ul style="list-style-type: none">Design, Programming, and Implementing the systemBackend: Python/DjangoFrontend: Javascript ES6/ReactJSSystem: Docker, GitLab CI/CD, syslog on cloud, crash analytic, and performance monitoring	Nov 2017 – Aug 2018
CODIUM Co., Ltd and CloudHM Co., Ltd <i>Senior Software Engineer&Senior System Engineer</i> <ul style="list-style-type: none">Design, Programming, and Implementing the systemCustomer supportOn-site infra-technical support	April 2016 – Oct 2017
4All Solution Inc <i>Android & iOS Programmer/System Engineer/DBA</i> <ul style="list-style-type: none">iOS, Android, Nodejs, PL/pgSQL, TDD, LaTeX, Scientific Drawing, and do exam problems&solutionsCreate webserver APIs backend by Javascript with various framework, and do unit testingInstall, Implement GNU/Linux Debian and PostgreSQL	June 2015 – April 2016
Dalian CHENGSI Technology (Thailand) Co., Ltd. <i>Project Leader/Consultant/UI Designer</i> <ul style="list-style-type: none">Digest customer requirements and prepare spec to Chinese software engineerSupport Manufacturing and purchasing module. IFS7.5 JATCO (Nissan part supplier)Support Manufacturing and Finance. IFS2004 Calsonic Kansei (Nissan part supplier)	November 2011 – April 2015
Faculty of Information and Communication Technology (ICT) <i>Researcher and System Administrator (Linux Cluster)</i> <ul style="list-style-type: none">Maintain resource of cluster for 400 users per semester	July 2010 – July 2011

- Routine check on the devices
- Conduct a research in parallel computing

National Institute of Methodology Thailand (NIMT)

September 2009 – June 2010

Metrologist at Mechanical lab, Sound Level Meter

- Maintain laboratory condition to meet the ISO standard for example: temperature, humidity
- Maintain customer device condition ex: temperature
- Perform a test check base on ISO standard

System Engineer (Department of Physics, Faculty of Science, Mahidol University)

2009 - 2011

- Monitor suspicious activity not only from insiders, but also intruders
- Design and Implement Apache2, PHP,MySQL, Remote desktop
- Email server, FTP server

EDUCATION

Mahidol University, Faculty of Information and Communication Technology

April 2012

Master of Science in Computer Science

- Master thesis: 2D lattice simulation of stock market
The objectives were to study the behavior of stock market and then we will extract the information by using another algorithm for example Dynamic Time Wrapping to gain the information from it.
- Received a working scholarship as a researcher and Linux Cluster System Engineer

Mahidol University, Faculty of Science

March 2008

Bachelor of Science, Physics

- Senior Project: Fractal antenna
The objectives were to study and develop the effectiveness of antenna for example impedance, radiation pattern, size and iteration times.
- Received a working scholarship form National Institute of Metrology Thailand (NIMT)

Bangkok Christian College, Mathematics and Science

2004

Grade 1 – 12

- GPA ~3.00
- President of Military Band BCC Music Club and clarinetist

TRAINING & CERTIFICATIONS

Royal Thai Police, Internship at Forensic Department

April – May 2007

- Physics, Chemistry, and Biology
 - Fired evidence : Investigate root cause of fire
 - Photo complexes : 3D model compare with photo evidence
- Firearms and ammunition
 - Record gun barrel
 - Record firing pin

INTERESTING

- Machine Learning, Cryptography, Search Engine
- Social Media

FRAMEWORKS, TOOLS AND PRODUCTION ENVIRONMENTS(BRIEF)

Python			Testing	ES6			Testing
Django	DjangoREST, GraphQL	Flask	Pytest/Unittest	ReactJS, Vuejs	React-Redux	React-Saga	Jest
IDEs	CVS	CI/CD	Hosting	OS	Storage	Webserver	HTTPS
PyCharm	Github	Gitlab-CI	DigitalOcean	Debian	AWS: RDS, S3&CloudFront	Nginx, Caddy	Let's encrypt-ed
WebStrom	Gitlab	BuddyWork	AWS: EC2, ECR, Lambda, ... etc	Docker	Minio	Traefik(reverse proxy)	
Log	Crash Analytic	Performance Monitoring	Push Notification	Machine Learning	Chatbot	Mobile	Ethereum
papertrail	Sentry	Opbeat, any	Firebase/Pubnub	PyTorch, scikit-learn	RASA NLU+Core	Flutter	Vyper
Code Quality	Database	Workflow Management platform	Robot framework	Trading			
Black, isort, flake8, djlint	Postgres, PostGIS	Apache Airflow	Selenium	MetaTrader5			

FUNCTIONAL PROGRAMMING/DESIGN PATTERNS

- Easy to do unit testing and maintenance.
- Hand on experience :
 - Singleton : For passing variable between android activity
 - MVC : Common practice
 - Factory : Easily mock the object from it

STRENGTHS

- Good communication, friendly
- Good oral, written & presentation skills
- Good team player
- Like making test cases
- Driving License, I have my own car
- TOEIC 720: Listening 355/Reading 365, Oct 24th 2014.

PERSONAL INFORMATION

- Date of Birth : 4th July 1985
- Sex & Status : Male Straight & Single
- Hobby: Gym, Swimming, Shooting
- No tatoo, smoking, weed, alcohol, and caffeine
- Nationality : Thai
- Languages Known : Thai, English
- <https://elcolie.github.io/>
- <https://github.com/elcolie>
- <https://sarit-r.medium.com>

Sarit Ritwirune
13 Sep 2024