# Kittiphong Yamphaka

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**Essential Skills:**
- Design and implement the Network and Systems Infrastructures.
- Docker, Solution architect for Cloud computing.
- Python, R, SQL Programming and Power BI.
- Spark, Airflow, Hadoop, Cloudera, Mongo DB, Databricks, and IoT Platform.
- Flexibility, ability to change priorities quickly, and capacity to handle multiple tasks.
- Experience working both independently and, in a team-oriented, collaborative environment.
- Able work in a multicultural consulting professional environment.

**Special interest:** Big data and data analysis, Data visualization, Machine Learning, Image Processing, and Healthcare IT.

**Certificates:**
- CCIE Routing and Switching #39409
- CCNP Data Center
- CCNA Service Provider
- Course Completion Certificate Road to Data Engineer 2.0
- Microsoft Certified Azure Fundamentals
- Microsoft Certified Azure Data Fundamentals
- Microsoft Certified Azure AI Fundamentals
- CompTIA Healthcare IT Technician
- CEH (Certified Ethical Hacker)
- ITIL Foundation Certificate

**Education:**
- M.A. in Business Economics**,** Thammasat University, Bangkok, May 2011
- B.Sc. in Industrial Physics and Medical Instrumentation**,** King Mongkut Institute of Technology North Bangkok, May 2000

## Working Experiences

| **Company:** | **Nextech-Asia Co.,Ltd.** | **June 2017 – August 2021** |
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Position: Senior Network Consultant

Job descriptions:
- Leader domain in technology responsible (Core Infrastructures, Big data, IoT, Cloud, VR/AR technology).
- Create business solutions and solution architects for customers.
- Lead and Manage customer POC and Create documentations: Test plan and results.
- Delivers, design, and identify overall projects. Clearly articulate technical elements of the organization value proposition to customers and support team.

- Coordinate solution vendors and infrastructure support teams to ensure accurate planning and timely issue resolution.

- Participate in the development and support of presentations for customers.

- Deliver technical presentations for customers and prospects.

- Implementing and estimating resources for the project.

- Provide technical recommendations for project issues.

- Consultant for customer, and support team.

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| **Company:** | **Advance Information Technology PCL., (AIT)** | **August 2002 – June 2017** |
| Position: | Senior problem Analyst | January 2011 – June 2017 |

Job descriptions: - Analysis and reporting of incident trend data to identify and eliminate root causes.

- Managing root cause analysis between technical teams.

- Production of statistics and reports to demonstrate where possible repeat incidents are occurring across the organization and manage issues through to resolution.

- Provide technical recommendations for performance issues including application integration optimization, platform hardware analysis, architecture optimization techniques, and performance troubleshooting techniques.

- Consulting team customer service.

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| Position: | Problem Analyst | June 2006 – December 2010 |

Job descriptions: - Analysis and reporting of incident trend data to identify and eliminate root causes.

- Initiating actions to fix potential interruptions to service identified during proactive and trending analysis of the IS infrastructure.

- Initiating actions to fix interruptions to service caused by errors/faults in the IS infrastructure.

- Diagnosis of faults and determining whether new incidents are related to known errors or existing problem records.

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| Position: | Project Engineer | August 2002 – May 2006 |

Job descriptions: - Implement Network Device.

- Making document templates.

- Implementing projects.

- Troubleshooting and second-tier support.

- Consultant, and troubleshooting for user, customer, and support team.

- Make migration plan, fault management plan, and final document.

## Project Reference

**Project:  Virtual Reality/Augmented Reality Development Lab, King Mongkut's Institute of Technology Ladkrabang.**

Project Detail:     This is a solution and implements Virtual Reality/Augmented Reality Development Lab. The project POC VR/AR of EON platform. I making POC and implements VR/AR Learning center, including EON platform, VR equipment, VR room, Network and Systems Infrastructures.

**Project:          EGAT Smart Building, EGAT Head office.**

Project Detail:     The project uses CCTV to detect a human entering and exiting the building with a notification. Using Machine Learning and Image Processing for Facial Recognition and location tracking.

**Project:          EGAT Smart Energy Parks, Ubolratana Dam Khon-Kaen.**

Project Detail:     Create a new landmark in Khon-Kaenby combining technology and innovation using machine learning for a new dimension of the running platform. The project uses IoT devices to detect the surrounding environment and transmit the obtained data to storage and use Machine Learning and Image Processing for Facial Recognition, Object Detection, and Pattern Recognition to process notifications.

**Project:          Public Car Management System (Taxi) Rental, Suvarnabhumi Airport at Thailand.**

Project Detail:     This is a solution and implements Public Car Management System (Taxi). The project is a software management taxi car service at Suvarnabhumi Airport. The system must be able to record the taxi entry and exit. Can register driver and ready to make an identification card. By writing software specifically.

**Project:          Cisco Digital Network Architecture (Cisco DNA), Faculty of Medicine Khon-Kaen University.**

Project Detail:     This project migrated core switch devices at the Faculty of Medicine Khon-Kaen University. The project uses DNA technology, a new technology to be used in the installation, monitoring, and maintenance. I redesign network topology and management systems. I make migrate plans, rollback plans, test functional documents, ATP documents, and final documents.

**Project:          Optimized log storage and network performance analysis, TOT PCL.,**

Project Detail:     This is a solution and implements log storage and network performance analysis. This project uses the Mongo database to store logs and uses Grafana as a dashboard for display. And use Machine Learning to process performance and notifications.

**Project:          Mani project (Receive research support from the Ministry of Public Health), Faculty of Medicine Khon-Kaen University.**

Project Detail:     Create a prototype platform for predicting disease trends in program participants and providing notifications in various cases. The project uses IoT devices to detect the surrounding environment and transmit the obtained

data to storage (Mongo database) and use Machine Learning to predict the likelihood of disease and notifications.

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| **Project:** | **Core Wireless and Internet Broadband, TOT PCL.,** |

Project Detail: This is a solution Core Wireless and Internet Broadband for all access points and ADSL routers nationwide. This system consists of main routers broadband, wireless controllers, traffic load balance. Where the authentication system, log system, the management system is open source only. POC must be combining different systems to be able to work together.

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| **Project:** | **Local Switch MPLS at North and North East, TOT PCL.,** |

Project Detail: This project migrated switch MPLS devices. The project uses Cisco ASR920 and Cisco NCS5500 Series. I redesign network topology and management systems. I make migrate plans, rollback plans, test functional documents, ATP documents, and final documents.

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| **Project:** | **Wireless Service at Branch Bank for Agriculture and Agricultural Cooperatives, TOT PCL.,** |

Project Detail: This is a POC (proof of the concept) wireless service project design solution, at the branch. I use the Access Point as an ADSL modem and wireless service within the same unit, make the price drop. I making POC documents, presentations, and estimated prices of the project.

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| **Project:** | **Branch Virtual Private Network Bank for Agriculture and Agricultural Cooperatives, TOT PCL.,** |

Project Detail: This is a project design solution, POC VPN Site-to-Site between branch to two data centers, and implement all router over the country. I POC with Cisco Easy VPN. I making POC documents, presentations, and estimated prices of the project.

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| **Project:** | **Network and Security, Department of Provincial Administration.** |

Project Detail: This is a project migration core network and security devices at the data center of DOPA (Department of Provincial Administration) and replaces router at District Office all over the country. I redesign network topology including revise policy firewalls, IPS, WEB App Firewall, and management systems. I had to prove of the concept Site Redundancy between two data centers and routers at District Office. I was a project engineer, make the migrate plan, rollback plans, and final documents. Moreover, I have to troubleshoot when customers got problems and are 2$^{nd}$ service support.

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| **Project:** | **Network Brach, Government Housing Bank.** |

Project Detail: This project migration router and switch devices at a branch of GHB. I redesign network topology and management systems for branches. I was a project engineer, make the migrate plan, rollback plans, and final documents. Moreover, I have to troubleshoot when customers got problems and are 2$^{nd}$ service support.

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| **Project:** | **Core Network and Security, Government Housing Bank.** |

Project Detail: This is a campus migration network and security devices. I redesign network topology including revise policy firewalls, IPS, Load Balancer, Web Filter, and management systems. I had to prove of concept about WCCP

protocol and smart filter in order to filter the websites and packets that customers do not want. I was a project engineer, make the migrate plan, rollback plans, and final documents. Moreover, I have to troubleshoot when customers got problems and are 2$^{nd}$ service support.

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| **Project:** | **Core Network and Security, Thai PBS.** |

Project Detail: This is a campus migration network and security devices. I redesign network topology including revise policy firewalls, IPS and management systems. I was a project engineer, make the migrate plan, rollback plans, and final documents. Moreover, I have to troubleshoot when customers got problems and are 2$^{nd}$ service support.

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| **Project:** | **Core Network, Krung Thai Computer Services.** |

Project Detail: This is a campus migration network devices. I redesign network topology and management systems. I was a project engineer, make the migrate plan, rollback plans, and final documents. Moreover,

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| **Project:** | **Core Network, Toyota Motor (Thailand).** |

Project Detail: This is a campus migration network devices. I redesign network topology and management systems. I was a project engineer, make the migrate plan, rollback plans, and final documents. Moreover, I have to troubleshoot when customers got problems and are 2$^{nd}$ service support.

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| **Project:** | **Core Network and Security, Thammasat University Libraries.** |

Project Detail: This is a campus migration network and security devices. I redesign network topology including revise policy firewalls and management systems. I was a project engineer, make the migrate plan, rollback plans, and final documents. Moreover, I have to troubleshoot when customers got problems and are 2$^{nd}$ service support.

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| **Project:** | **Core Network and VoIP, Mae FahLuang University.** |

Project Detail: This is a campus install new network and IP phone devices. Install switch, IP phone, and setup UCS, including adjust the VoIP system available to use with the Landline phone system. I was a project engineer, make the install plan, fault management plans, and final documents. Moreover, I have to troubleshoot when customers got problems and are 2$^{nd}$ service support.

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| **Project:** | **Core Network, Thammasat University Rangsit Campus.** |

Project Detail: This is a campus install new network devices. I was a project engineer, make the install plan, fault management plans, and final documents. Moreover, I have to troubleshoot when customers got problems and are 2$^{nd}$ service support.

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| **Training:** | - What Business needs to know about Data Science: Class & Workshop by Coraline. |

- How Data Analytics and Digital Technology Can Transform Your Business by Coraline.

- Data Driven Business by Coraline.

- Pandas - Data Exploration by DATA RPG.

- Basic - Machine learning by DATA RPG.

- Road to Data Engineer 2.0 by DATATH School.

- Automating Your Data Pipelines with Apache Airflow by Skooldio.

- Data Science Bootcamp (School of Full Stack) by DATAROCKIE.

- Power BI Master Class: From Dashboard Storytelling to Decision by DEXTRACT.

- Intensive Python for Data Science: A Boosted Start to the world of data by DEXTRACT.

- Automate Office Routine Tasks with Python by DEXTRACT.

- Web Data Extraction & Notification with Python by DEXTRACT.

- Visualize it with Power BI by Reporting Engineer.

- Power Query: A New Era of Excel by Reporting Engineer.

- VR Application Development for Beginner by Blue Ocean Academy.