

CURRICULUM VITAE

MR. PALATIP JOPANYA

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https://palatip-jopanya.github.io/cv_palatip/site/

EDUCATION

Master of Communication Systems

OCT 2022

Linköping University, Linköping, Sweden.

transcript: https://palatip-jopanya.github.io/cv_palatip/site/transcript

Bachelor of Engineering in Electrical Engineering

MAR 2012

Chiang Mai University, Chiang Mai, Thailand.

WORK EXPERIENCE

Skills & Knowledge: I possess knowledge in reading the protocol stack for control-plane, Layer 3 messages, the physical layer, 3GPP standardization, and UNIX/LINUX command line. I have a clear understanding of 5GC SA/NSA protocols and architecture, 4G EPC architecture, as well as familiarity with Nokia, Ericsson, and Huawei's RAN elements in terms of configuration, full protocol stack in RAN, and software for PM, CM, and FM. The programming languages I am familiar with include C++, C, Python, MATLAB, JAVA, PHP, MySQL, and CSS.

RAN ENGINEER

MAY 2018 - NOV 2021

Nokia (Thailand) Co., Ltd.

Letter of employment: https://palatip-jopanya.github.io/cv_palatip/site/work_certificate_nokia

- Functional testing: I performed testing for 5G EN-DC DSS 2100&700&1800 MHz with Inter eNB-CA (band combination of b1+ n28 and sCell as b3 with inter eNB CA).
- Functional testing: I performed testing for 5G EN-DC with dynamic spectrum sharing (DSS) of 700 MHz (band combination of b1+n28) both functionality and mobility testing.
- Functional testing: I performed testing for 4G TDD 2300 MHz MU-MIMO and functionality testing of Massive MIMO radio module namely AENB for 26GHz and AANB for 2300 MHz
- Trial testing: I performed trial in customer's pilot cell sites for 5G EN-DC 2100 MHz + 26 GHz (band combination of b1+ n258)
- Décor feature testing: I performed décor functionality testing for rerouting of S1AP of 5G SIM from legacy MME to new EPC.
- Radio Module power consumption testing: I performed testing for power consumption for each load level simulation with different levels of output radiate power.
- PnP functionality testing: I performed testing functionality of Plug and Play (PnP) for mass sites commissioning which is part of the Zero Touch project.
- Complete mobility testing: I performed Multi-Vendor Interoperability (MVI) testing with Ericsson and Huawei for all carrier combination scenarios.
- UG900 spectrum sharing testing: I performed testing for U900 and G900 shared spectrum in 900 MHz for legacy subscribers including EDC machine.

- General hardware testing: I performed testing for newly introduced radio module, baseband unit and scenario verification according to the architecture design.
- General features testing: I performed testing for proposed features for customer when marketing propose new features or solutions to customer.

Recognition (Nokia): https://palatip-jopanya.github.io/cv_palatip/site/nokiaAward.html

INTEGRATION ENGINEER

JUL 2017 – MAY 2018

CARENET provides contract for Ericsson Project

Letter of employment: https://palatip-jopanya.github.io/cv_palatip/site/work_certificate_carenett

- QOS project: To perform testing for inter-working between Ericsson and Huawei both 3G and 4G with Huawei feature namely Dynamic Scheduling, and Differentiated Service Based on SPI Weight. To classify users into 3 classes: normal, abusive and VIP. To perform coordination with core network team for testing assignment attributes in S1AP and RANAP regarding to QCI, THP. To verify that scheduling function is working when cell is in congested scenario by fully utilized PRBs. To perform testing for dynamic QOS modification over the air for UE during high-speed downloading. To verify Ericsson feature according to admission control namely: Ericsson Admission Control.
- PoC testing: To perform testing for Ericsson Lean Carrier and PUCCH Over-dimensioning feature in LTE from 5MHz(25PRBs) to 8MHz(40PRBs). Optimizing dlConfigurableFrequencyStart for starting frequency and dlFrequencyAllocationProportion for BW allocation.
- Feature testing: Perform general features according to the requests.
- General project support: Features testing, Network Rollout and SW upgrade.

*With additional contracts from time to time during 2015-2017 in the same role and project.

Wireless Engineer

JUN 2013 – MAR 2015

Huawei Technologies (Thailand) CO., LTD.

- I administrated databased of radio parameter design and cooperated with Access Network team and RF team to synchronize the Radio parameters.
- I generated script for on-site commissioning and for integrator in the network OSS.
- I reported and tracked alarms during network rollout period for readiness for commercialize NBs and eNBs.
- I performed inconsistency tracking between design and Live-network parameter.
- I supported night operation for requests for changes activities (RFC).
- I generated reports to show progress of the daily Nodes integration for the project management team.
- I Integrated and commissioning radio network controllers (BSC6910) for network expansion in 3G.

Freelancing (from time to time)

I worked part time as a freelancer doing web-development using PHP, Java, SQL, and etc.

CERTIFICATES

Online courses.

- **The UNIX Workbench** Johns Hopkins University
<https://www.coursera.org/account/accomplishments/certificate/N327L9BW3XDV>
- **Operating Systems: Becoming a Power User** Google
<https://www.coursera.org/account/accomplishments/certificate/ERT4W5QT5HEP>
- **What is Data Science?** IBM
<https://www.coursera.org/account/accomplishments/certificate/VUBJDRG355TS>
- **Data Science Methodology** IBM
<https://www.coursera.org/account/accomplishments/certificate/B498NZ6KRZ4Q>
- **Tools for Data Science** IBM
<https://www.coursera.org/account/accomplishments/certificate/HW8SXL8FXDNK>
- **Python for Data Science and AI** IBM
<https://www.coursera.org/account/accomplishments/certificate/JEL6XRMXHEDT>
- **Databases and SQL for Data Science** IBM
<https://www.coursera.org/account/accomplishments/certificate/B8L2VPB9S9NE>
- **Data Analysis with Python** IBM
<https://www.coursera.org/account/accomplishments/certificate/4UL92ETTUVXL>