

## **Fathur Rizki**

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### **Personal Information**

Full Name : Fathur Rizki Saragih

Date of Birth : June 16, 1994

Gender : Male

Religion : Moeslem

Marital Status : Married

### **Education**

2012 – 2015 : Program Diploma Bogor Agricultural University – Computer Engineering

### **Profile**

- 5 years experiences in Computer Network area (Enterprise, Data Center, and Service Provider)
- Reading and writing as passion; a blogger ([fathurhoho.id](http://fathurhoho.id) as personal blog), managing [ngonfig.net](http://ngonfig.net) for network engineering stuffs, and some Tech blogs.

### **Experiences**

February – April 2015 : Internship at PT. Mekar Unggul Sari, Cileungsi, Bogor

- Implemented Network Monitoring System Using Pandora FMS
  - o Made topologies and detail architecture for data center, cashier workspaces, and microcontroller gate, these used as monitoring interfaces which has led for warning indicator of warning/down/up.
  - o NMS able to detect connectivity status (icmp) of PC client (POS), IP Phone, and IP Camera, also monitor their resources (snmp); HDD, CPU, RAM, and utilize Windows Management Instrument to monitor special service like printer spooling and windows security control.
  - o NMS system will send an alert with mail for regular severity devices, and will send SMS alert (using SMS gateway) for critical devices like server, switches, and routers.

October 2015 – October 2017: IT Support at PT Tokopedia

- Maintain, troubleshoot and working with vendor for IT devices implementation.
- Build new ticketing system with OpenTicket, created the SOP, and general knowledge for Nakamas (Tokopedia Employee)
- Provide any local (intranet) staging/deployment server for Developer, most of them are CentOS and Linux Ubuntu with requested services installed
- Implemented file server (most requested by Finances Teams)

- Using standalone device like QNAP and working with its features like RAID, auto-backup, etc
- Using samba in linux for team/division file sharing
- Implemented LDAP server for network infrastructure
  - Active Directory's backup for VPN, internet, and file server authentication.
  - Integrated to some network devices like Palo Alto Firewall for VPN auth, Aruba Clearpass NAC for internet auth
- Implemented Aruba switches/access-point and integrated with Aruba Clearpass NAC in campus network in Tokopedia Tower.
- Implemented new Tokopedia Datacenter with Arista and Cisco devices.

October 2017 – April 2021: Network Engineer at PT Mastersystem Infotama  
[Enterprise Network and Data Center]

- BRI-SAT: Implemented Cisco 5520 Wireless LAN Controller and Cisco Aironet Access Points
  - Using multiple authentication mode for each purpose (web auth, dot1x, presharedkey)
  - Integrated with LDAP, and FreeRadius as authentication server.
  - Provide PoC (Proof of Concept) of Cisco ISE and assest the comply of companies standard.
- Chevron IndoAsia Business Unit (IBU): Maintaining Cisco 65XX Catalyst Switches (HW)
  - Created the topology
  - Troubleshoot and replace module/sfp etc
- Bank Mayapada: Implemented DC and DRC redundancy with Cisco ISR routers, Catalyst Switches, and Nexus 7000 switches.
- Pertamina EP – PT XL Axiata: Implemented Cisco ISR Router 4300 Local Traffic Manager
  - Replacing all existing CE router in all Pertamina EP's branches and central office
  - Acting as team lead, creating the guide and SOP for engineer onsite
  - Configure QOS to ensure bandwidth
- PT Lintasarta: Implemented and maintaining Nexus 3000 series switches to accommodate rapid throughput from NetApp servers.
- Standard Chaltered Bank: Maintaining campus and data center network DC and DRC
  - Collaborate with engineers in Asia Region for managing the network
  - Using Remedy for CR (change request) for any changes in network devices
- Bank BNI: Maintaining campus and data center network DC and DRC
- OJK (Otoritas Jasa Keuangan): Maintaining campus and data center network DC and DRC;
  - Managing campus network (catalyst switches, ISR router, and wireless).
  - Maintaining traditional Data Center Network (nexus switches, ISR routers)
  - Implementaining SDN data center network using Cisco ACI (Application Centric Infrastructure), create/remove/modify server (endpoint group, bridge domain, and interfaces profiles). Also manage load balancer (f5), firewall (ASA and Palo Alto) interconnection for migrating server from traditional farm into ACI.
- PT Bank Mandiri: maintaining campus network and DC DRC
  - Acting as layer 2 engineer, managing both traditional and ACI network.

- Supporting implementation team for any network changes or projects.
- Bank Indonesia: maintaining campus network and DC DRC
  - Reassess the legacy data center condition before migrating to the new ACI data center
  - Helps the project teams to prepare the migration data center project and new security systems

April 2021 – Present: Senior Network Engineer at PT Sisindokom Lintasbuana  
[Service Provider]

- Telkom – Telkomsel: One Network IP/MPLS/SR design and implementation included domains: Provider Edge, ASBR, RR using ASR9K series, ASR1002-X and XRv Appliance under UCS.
  - Merging Telkom and Telkomsel network infrastructure with MPLS Inter-AS (Option C) in all over regions in Indonesia
  - Working with OSPF, BGP< MP-BGP, MPLS, L2/L3-VPN, BGP, MPLS Traffic-Engineering, VPNv4, OSPF protocols etc
  - Upgrading/Inserting New Modules of ASR9K family
  - Implement new Provider Edge, Route Reflector and ASBR routers on every region.
  - Learn and assess Telkomsel's Customer Edge network services to indicate the critical level and migration plan including Core Backbone network, IPRAN, 2Tier DC (Cisco ACI and Huawei), IT-AGG for Charging service, CPS, Metro-E, etc
  - Deliver technical design/implementation documents such as Method of Procedure (MOP), Low Level Design (LLD), Activity Plan (Migration Scenario), Network Ready for Use (NRFU test included Traffic Flow modification approaching the same or better condition after migration)
  - Acting as layer 2 engineer; lead for upgrade/downgrade activities, installing new devices and sharing knowledge/ leasson-learned for teams.
- Telkom: Acting as technical lead for every "Events" infrastructure implementation and operational project in Indonesia that are using Telkom's services.
  - KTT G20 2023 in Labuan Bajo, Indonesia
  - MXGP 2023 in Samota Selaparang | Lombok and Sumbawa, Indonesia
  - KTT ASEAN 2023 in JCC Gelora Bung Karno, Indonesia.
  - KTT AIS 2023 in Bali, Indonesia
  - Currently on going: Fifa World Cup U17 Indonesia 2023 in 4 stadiums: 1. Jakarta JIS (International Stadium), 2. Bandung SJH (Si Jalak Harupat), 3. Surakarta (Manahan), 4. Surabaya (Gelora Bung Tomo).

**Other Technical Skills:**

- Familiar with GNU/Linux operating system, with basic administration like Web, DNS, Mail, and File Server.
- Cisco certified CCNA, CCNP Enterprise and CCNP Service Provider Core
- Familiar with simulator and virtualization environment system like Packet Tracer, GNS3, VirtualBox/VMware workstation and Qemu-KVM.
- Good in technical documentation, also familiar with content-writer and tech blogging.

A handwritten signature in black ink, appearing to read 'R. Fathur Rizki Saragih', with a long horizontal stroke extending to the right.

Fathur Rizki Saragih