# Moch. Farros Fatchur Roji

## Cyber Security & Data Engineer

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## Recommendation
Dewi Wahyu S.

## Summary
A Statistics graduate from the Sepuluh Nopember Institute of Technology (ITS), I have a professional background in Data Engineering and IT operations. My experience includes building ETL architectures using BI tools with various databases for dashboards and reports. Since April 2023, I've worked in Yogyakarta as an IT Specialist at PT Tripower Solar Nusantara, supporting server infrastructure, mail hosting, websites, and e-commerce product databases.

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## Experience :

### System Architect – PT Tripower Solar Nusantara, Yogyakarta | Apr 2023 – Present
- Supporting company IT infrastructure including VPS servers, internal hosting, corporate email systems, and security configurations.
- Developing and maintaining the aesi.or.id, solar-nusantara.id, sonus-hub.id, sonus-epc.id, and Indonesia-terang.id websites.
- Handling and organizing product databases for e-commerce operations, including data updates, structure management, and integration needs.
- Providing onsite technical support and ensuring smooth IT operations across departments.

### Cybersecurity Writer – Medium | Sep 2023 – Present
- Wrote 70+ articles on farros.medium.com and submitted to publications such as: InfoSec Write-ups, System Weakness, OSINT Team, etc., which focus on cybersecurity, especially the red team perspective.

### Data Engineer – PT Multipolar Technology Tbk, Tangerang | Nov 2019 – Apr 2023
- Served on the Big Data team, developing the ETL process from a database to a data warehouse based on client mapping.
- Created various dashboards and reports using an internal website for the client team's data analysis needs.
- Collaborated and engineered with team to create data platform application by using :
  - Database: PostgreSQL, SQL Server, NoSQL
  - ETL Tools: Talend and SSIS
  - Reports & Dashboard: IBM Cognos, DevExpress, Tableau, Power BI, & Superset
  - Data Analytics: R & Python

## Honors & Awards :

### Finalist of Open Covid-19 Completion Competition with Artificial Intelligence | BISA AI | MAY 2020
Make a research journal describing social network analysis on Twitter by analyzing significant topics related to Covid-19.

### 1st Winner of Challenge 3 Data Waste Hackaton | SecondMuse | Oct 2019
Developing the "YoWaste" application as a platform to provide garbage price data for residents of Surabaya city to educate the public with data to predict garbage tomorrow.

**Digital Talent Internet Of Things Schoolarship Awardee | Ministry of Research, Technology and Higher Education Indonesia, Associated with Institut Teknologi Sepuluh November | Aug 2019**

Learning the basic concepts of certain objects has the ability to transfer data over a network without requiring interaction from human to human or from human to computer devices. Learn the practice also to present the project at the end of the lesson.

**Grand Finalist Data Mining GemasTIK 11th | Ministry of Research, Technology and Higher Education Indonesia | Nov 2018**

Following the competition held by the Ministry of Research, Technology and Higher Education to process journal series data at the final stage using the KNN method for classification of journal divisions. Then qualify for the grand final to present the results of the analysis.

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**Certificate :**

- 2026     Intermediate SQL Server by DataCamp – ID#45,900,062
- 2026     Introduction to SQL Server by DataCamp – ID#45,883,476
- 2025     Cyber Security 101 Certificate by TryHackMe – ID# THM-USGATTGRLI
- 2025     Introduction to Cyber Security Certificate by TryHackMe – ID# THM-QRGNXAUUOF
- 2025     Cybersecurity for Small and Medium Size Business by EC-Council – ID#385399
- 2025     Introduction to Cybersecurity by Cisco – ID#a26328ab-abab-403d-80c1-c0be6232eb83
- 2025     Pre Security Certificate by TryHackMe – ID#THM-OA1PBQOMP7
- 2024     Foundations of Prompt Engineering by AWS – ID#17763_5_5959890_1721806612
- 2024     Introduction to Generative AI by AWS – ID#17176_5_5959890_1721791332
- 2024     Developing AI Systems with the OpenAI API by DataCamp – ID#33923557
- 2024     ChatGPT Prompt Engineering for Developers by DataCamp – ID#33849825
- 2024     Working with the OpenAI API by DataCamp – ID#33646951
- 2024     Introduction to Information Security by Cyber Academy Indonesia – ID#PKMI01103240785
- 2024     Responsive Web Design by freeCodeCamp – ID#farros
- 2022     SQL (Basic) by HackerRank – ID#0097302c1bec
- 2022     Microsoft Certified Azure Fundamentals – ID#L109-3363
- 2020     Cloud Computing Basic (Cloud 101) by LearnQuest – ID#NJWBFGLHAQ8R
- 2020     Data Science Math Skills by Duke University – ID#W4GRV9ZAEUJQ
- 2020     Getting Started wit AWS Machine Learning – ID#G9HALD9XG2CG
- 2020     Introduction to SQL by DataCamp – ID#12454415
- 2020     Introduction to Shell by DataCamp – ID#13968483
- 2020     Introduction to R by DataCamp – ID#7070609
- 2020     Introduction to Python by DataCamp – ID#7648912
- 2020     Introduction to Data Science with R by DQLab – ID#DQLABBGINRJLPRRN
- 2020     The Fundamentals of Digital Marketing by Google – ID#C5GHCTT2H

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**Trainings:**

- AZ-900 Microsoft Azure Fundamentals, Tangerang, 2021
- Fullstack Developer Bootcamp by Praxis Academy, Surabaya, 2019
- Data Engineering Bootcamp by PT Multipolar Technology, Surabaya, 2019
- Fresh Graduate Academy Internet of Things by Digital Talent Shcoolarship, Surabaya, 2019
- R Programming for Data Science by idata1011, Surabaya, 2019