

# Muhammad Syariful Ali

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Experienced professional with over 3 years of expertise in database maintenance, data and system analysis, and programming. Proficient in MySQL query optimization and adept at leveraging advanced formulas in Microsoft Excel for complex data calculations. Skilled in visualizing data using Microsoft Excel and Microsoft PowerPoint, and developed applications to enhance efficiency and facilitate informed decision-making within the agency.

## JOB EXPERIENCES

### Data and Information Analyst

Sep 2018 - Present

Development Planning Agency of Surakarta Local Government, Surakarta

- Developed, managed, and/or tested several applications related to regional planning and development, including SIPPD (*Sistem Informasi Perencanaan Pembangunan Daerah*), SIPD (*Sistem Informasi Pemerintahan Daerah*) for Planning and Budgeting, and SIPD (*Sistem Informasi Pemerintahan Daerah*) for e-Validata.
- Collaborated with other programmers, engineers, and management heads to identify necessary system modifications.
- Maintained regular communication with technical, applications, and operational staff to ensure database integrity and security.
- Customized existing applications to align with agency objectives and implemented pertinent regulations mandated by central, provincial, and municipal governments.
- Prepared reports with data visualizations for management, providing relevant data to support critical decision-making based on various facts.

### Network Engineer

Aug 2018 - Sep 2018

Diamond Hotel Solo, Surakarta

- Maintained and administered computer networks and related computing environments, including systems software, applications software, hardware, and configurations.
- Troubleshoot, diagnosed, and resolved network issues within the company.
- Configured and tested network software, hardware, and operating systems to ensure optimal performance.

## PROJECT EXPERIENCES

### Regional Planning Information System

Sep 2018 - present

Development Planning Agency of Surakarta Local Government, Surakarta

- Developed SIPPD (*Sistem Informasi Perencanaan Pembangunan Daerah*), utilized for budgeting plans and development prioritization within the Surakarta Local Government.
- Designed and analyzed the system to ensure compliance with relevant regulations, such as Minister of Home Affairs Regulation of the Republic of Indonesia Number 13 Year 2006 (*Peraturan Menteri Dalam Negeri Nomor 13 Tahun 2006*), Minister of Home Affairs Regulation of the Republic of Indonesia Number 90 Year 2019 (*Peraturan Menteri Dalam Negeri Nomor 90 Tahun 2019*), and others.
- Supported data normalization processes to establish a robust database infrastructure.

### Cash-flow Management Application

Aug 2019

Development Planning Agency of Surakarta Local Government, Surakarta

- Designed, analyzed, and implemented a system for managing cash flow within the Development Planning Agency of the Surakarta Local Government.
- Achieved a 90% improvement in decision-making efficiency through enhanced budget management processes.

### **Logistic Management Application**

Jul 2017

Orthopedic Hospital Dr. Soeharso, Surakarta

- Designed an application interface for managing logistics stock within the hospital warehouse.

### **Smart Basket Application**

Jul 2017

CompFest Event in University of Indonesia, Depok

- Analyzed, designed, and implemented a solution to reduce cashier waiting times in supermarkets.
- Implemented the RFID method, akin to e-money systems, enabling customers to expedite payments and minimize queueing at cash registers.

## **EDUCATIONS**

### **Bachelor's Degree - Informatics**

Jul 2014 - Jun 2018

STMIK Sinar Nusantara, Surakarta

GPA 3,73.

A program focuses on the study of computer systems and computational processes. It covers topics such as programming, algorithms, computer architecture, and networks. Students gain theoretical knowledge and practical skills to design, implement, and manage software and hardware systems. Graduates are prepared for careers in software development, cybersecurity, and network administration.

### **Sit-in Program**

Mar 2017 - Apr 2017

Rajamangala University of Technology Krungthep, Bangkok

I participated in a one-month Sit-in Program at Rajamangala University of Technology Krungthep (RMUTK) in Bangkok. The program included hands-on workshops, lectures, and collaborative projects with international students. I gained practical experience in my field and developed cross-cultural communication skills. This experience enhanced my understanding of global perspectives in technology and engineering.

## **SKILLS**

**Intermediate in:** Web Developer, MySQL, Microsoft Office

**Basic in:** Graphic Design

## **LICENSES & CERTIFICATIONS**

### **Test Automation Foundations**

2020

LinkedIn Learning - AUDQmVN25cmvmCYPguaSGcFh5iO7

### **Master SQL for Data Science**

2020

LinkedIn Learning - AUcGNcBu52ISXi9rhtfxSN0nN8OM

### **Online Academy Digital Talent Scholarship**

2020

Kementerian Komunikasi dan Informatika - 0448657141-100/OA.DTS/BLSDM.KOMINFO/2020

<b>Memulai Pemrograman dengan Python</b> <i>Dicoding Indonesia - 0LZ0D1E0QX65</i>	2020
<b>Belajar Dasar Google Cloud</b> <i>Dicoding Indonesia - 6RPND69VQZ2M</i>	2022
<b>Menjadi Google Cloud Engineer</b> <i>Dicoding Indonesia - 72ZDO5D29XYW</i>	2022