

# SIGIT DWI CAHYO

## Fullstack Developer

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### SUMMARY

Hello!, I am Sigit Dwi Cahyo. I am a Fullstack Developer with a Bachelor's degree in Informatics Engineering from Singaperbangsa Karawang State University, with experience building digital applications from scratch to ready-to-use. I have developed various systems such as ERP, POS, employee transportation management applications, as well as mobile applications integrated with backend APIs. My focus is on building systems that are scalable, efficient, and have a direct impact on business operations. Accustomed to working with React.js, Node.js, and various other modern technologies, I am also interested in developing SaaS-based solutions and integrated systems.

### EDUCATION

#### Universitas Negeri Singaperbangsa Karawang | S1 Teknik Informatika

| 2016 - 2020

GPA 3.19 / 4.00

### WORK EXPERIENCE

PT. Artha Buana Ananta | 2022 - 2023

#### Fullstack Developer

Developing and maintaining web applications based on React.js and Node.js to improve system performance and scalability Building RESTful APIs using Express.js and integrating them with the frontend Designing and managing databases using PostgreSQL Implementing authentication and authorization systems using JWT

PT. Mega Artha Ananta | 2023 - Present

#### Fullstack Developer

Designing and developing an end-to-end ERP (Enterprise Resource Planning) application to manage business operations in an integrated manner Developing the frontend using React.js with an interactive and responsive dashboard design Building the backend system using Node.js

(NestJS/Express) to manage business logic and APIs

Designing and managing the database using PostgreSQL with an optimal relational structure Implementing core

ERP modules such as: Inventory Management (stock & raw materials management) Sales & POS System (sales

transactions and cashier) Purchasing System (purchasing and suppliers) Accounting & Reporting (financial reports

and analytics) Developing a Bill of Materials (BOM) feature for automatic calculation of production material

requirements Implementing a multi-user & role-based access control (RBAC) system for access security

Integrating the system with payment gateways / third-party APIs Deploying using Docker & cloud services

(AWS/VPS)

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## SKILLS

- Problem Solving
  - Analytical Thinking
  - Javascript
  - Node.js
  - MySQL
  - PostgreSQL
  - Financial Reporting
  - Python
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## PROJECT EXPERIENCES

### Fullstack Developer (Project-Based) Freelance / Personal Projects 2022 - Sekarang

#### 1. ERP System (Enterprise Resource Planning)

Mengembangkan aplikasi ERP end-to-end untuk mengelola operasional bisnis secara terintegrasi

Membangun frontend dashboard menggunakan React.js dengan tampilan interaktif dan responsif

Mengembangkan backend API menggunakan Node.js (Express/NestJS)

Mendesain database menggunakan PostgreSQL/MySQL untuk pengelolaan data skala besar

Mengimplementasikan modul:

Inventory Management (stok & bahan baku)

Sales & Purchasing System

Accounting & Reporting

Bill of Materials (BOM) untuk kebutuhan produksi

Menerapkan sistem role-based access control (RBAC) dan autentikasi JWT

Deployment menggunakan Docker dan cloud server (AWS/VPS)

#### 2. POS (Point of Sale) Application

Mengembangkan aplikasi kasir (POS) untuk transaksi penjualan real-time

Membuat fitur:

Manajemen produk & kategori

Transaksi penjualan & pembayaran

Cetak struk otomatis

Laporan penjualan harian/bulanan

Mengintegrasikan sistem dengan database dan backend API

Mengoptimalkan performa aplikasi agar stabil untuk penggunaan intensif

### 3. Aplikasi Antar Jemput Karyawan

Mengembangkan sistem manajemen transportasi karyawan berbasis web/mobile

Membuat fitur:

Penjadwalan antar jemput Tracking rute & lokasi

Manajemen driver dan kendaraan

Notifikasi jadwal ke pengguna

Mengintegrasikan API lokasi (GPS/Maps) untuk monitoring real-time

Mendesain sistem backend untuk pengelolaan data operasional

### 4. Mobile Application Development

Mengembangkan aplikasi mobile menggunakan React Native / Flutter

Mengintegrasikan aplikasi dengan backend API (RESTful)

Menerapkan autentikasi user dan manajemen data real-time

Mengoptimalkan performa dan UI agar responsif di berbagai device

Melakukan build dan deployment ke platform Android

### **Tech Stack Utama:**

**React.js, Node.js, Express/NestJS, PostgreSQL/MySQL, MongoDB, React Native/Flutter,**

**Docker, REST API,**

**JWT Authentication**