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elshasovolina.github.io/ (Portfolio)

Top Skills

SQL

Extract, Transform, Load (ETL)

Python

Tableau

Power BI

Google Big Query

Delphi

ELSHA Sovolina S.

SQL enthusiasm, Solver, to-Be Analyst/Engineer for Data

Jakarta, Jakarta, Indonesia

Summary

I'm a Software Engineer with over 12 years of experience designing and developing enterprise applications for the plantation industry, over 3 years at magazine company, and 1.5 year at multi finance industry. My expertise includes building and maintaining systems for harvest and cultivation transactions, accounting reports, area statements, infrastructure management, seedling operations, and biometric integrations such as fingerprint attendance.

I specialize in backend and full-stack development — automating complex business logic such as estate wage calculations, performance-based bonuses, and penalty systems.

I enjoy transforming manual, spreadsheet-driven processes into efficient, data-driven systems that improve productivity and transparency.

Core skills: Delphi, SQL Server, Oracle, MySQL, BigQuery, Python, Tableau, Power BI, system analysis, ETL pipelines, Laravel, and .NET Framework,

Experience

PT. Artindo Design

12 years 10 months

Developer Coordinator

June 2012 - March 2025 (12 years 10 months)

Central Jakarta, Jakarta, Indonesia

Working as Makin Group's Developer and Application Support (outsource)

Makin Group is a palm oil company based in Indonesia (GG Group).

Duty :

- * Develop a system to support plantation system using Oracle and Delphi 2007.

- * Maintain application and database.

- * Create reports from transactional data to a recap data.

- * Analysis imbalanced data and how to solve it.
- * Review and update the system (to support the change on SOP).
- * Developing reports with historical master data to ensure any changes of master recorded on transactional level, to prevent any fraudulent activities by changing the master.
- * Sticker-based with unique number for non registered daily workers preventing doble-claim. now doble claim for same person is prevented.
- * Preparing data for Oracle BI report service.
- * Generate multi-site workers environment apps. so a workers can't working in 2 places at the same time, preventing fraudulent of doble payment.
- * Managing workflow project - HR data for employee .

Software Developer

Mar 2024 - Moving to PT Dhanistha Surya Nusantara (another Palm Oil Plantation Company in Indonesia, GG Group).

Project Handled :

- * Mar 2024 - Aug 2024 : Support internal development as e-filling and DSN apps. Create employees shift management. analyze, design and deploy Attendance system.
- * Sept 2024 - Mar 2025 : analyze and design the transaction model for medical and business trip's claim.

Femina Group

Senior Developer

May 2009 - June 2012 (3 years 2 months)

- * Worked as a System Analyst, Developer, and QA simultaneously.
- * Planned workflows, designed and developed database diagrams, and built the system using ASP.NET, SQL Server 2000, and Visual Basic 6.0.
- * Maintained back-end data based on user requests.
- * Designed, developed, and maintained applications supporting the company's event operations.
- * Served as the Senior Developer Lead, responsible for evaluating and approving all user requests and development decisions.

PT. HD Finance (Radana Finance-present)

MAI Specialist

December 2007 - May 2009 (1 year 6 months)

- * Analyzed, designed, developed, and maintained backend support software using ASP.NET 2005 and Microsoft SQL Server 2000.

- * Performed backend data maintenance and troubleshooting using Excel Macros, Oracle 9i (TOAD), and Microsoft SQL Server 2000.

- * Creating report by request with crystal report 8.

Indomobil Group

Junior Programmer

May 2007 - November 2007 (6 months)

- * Develop, modify, and troubleshoot modules as requested by the IT Head.

PT. Tunas Esa Mandiri

Junior Programmer

Jul 2005 - November 2007 (1 Year 10 months)

- * Develop, modify, and troubleshoot modules as requested by the IT Head.

Education

RevoU

FullStack Data Analyst · (July 2025 - September 2025)

Universitas Bina Nusantara (Binus)

Bachelor's Degree, Information Technology · (2001 - 2005)

Elsha Sovolina

Programmer - Analyst -Data Engineer

Project Portfolio - page 1

Jan 2022 - Dec 2023

Piece rate system, working limit on transaction by period, bonus and pinalty calculation

I developed a plantation management system called XYZEstate, adding new SOP-based wage calculation features, including:

- * New deployment of piece-rate calculation in the estate system.
- * Added limitation of work transactions per employee within a defined period.
- * Implemented a new formula for bonus calculation based on work results.
- * Implemented a new formula for penalty calculation based on work results.

Skills: Delphi · RDBMS · Database Design · Application Programming Interfaces (API) · Oracle · Analytical Skills · Software Development

Jul 2017 - Nov 2018

Multi site worker's calculation wages. partner data reporting

I developed a plantation management system called XYZEstate, adding new rules and features, including:

- * Deployment of multi-site worker calculation at the transactional level.
- * Preparation of BI and data warehousing SQL-based datasets for integration with Oracle BI.
- * Deployment of new reports in the Partner-Only Data Reporting section, providing limited access for business partners.

Skills: Delphi · RDBMS · Database Design · Application Programming Interfaces (API) · Oracle · Analytical Skills · Software Development

Aug 2016 - Jun 2017

Seedling maintenance, daily worker's ID creator, holiday wages calculation

I developed a plantation management system called XYZEstate, adding and updating several modules, including:

- * Seedling Maintenance Module (currently on hold).
- * Edited the Daily Worker Sticker Module by adding a new SOP to ensure each sticker can be used only once on the day it is issued.
- * Developed a new Holiday Payment Calculation Module, implementing a general formula for both transaction processing and reporting.

Skills: Delphi · RDBMS · Database Design · Application Programming Interfaces (API) · Oracle · Analytical Skills · Software Development

Project Portfolio - page 2

Historical Master Implementation

Aug 2014 - May 2016

I developed a plantation management system called XYZEstate, adding new rules and features, including:

- * Developed a reporting-level application for the Historical Master Data Project.
- * Enhanced the transactional module to ensure all data masters use the latest records.
- * Enhanced reporting modules to support date-oriented historical master data.
- * Developed and implemented a new harvest production method at the transactional level.

Skills: Delphi · RDBMS · Database Design · Application Programming Interfaces (API) · Oracle · Analytical Skills · Software Development

May 2014 - Jul 2014

Seedling Module and Stock Op-name harvest production supporting

developed a plantation management system called XYZEstate, adding new modules and features, including:

- * Seedling Module and corresponding reporting features for seedling data management.
- * Support and maintenance for stock opname (harvest production) data, integrated with annual accounting records since 2012 (parallel project).

Skills: Delphi · RDBMS · Database Design · Application Programming Interfaces (API) · Oracle · Analytical Skills · Software Development

Nov 2012 - Jun 2014

project plantation system - Implementation

- * Standardized a new batch of reports — including production, cultivation, and accounting - across all modules of the plantation management system project.
- * Conducted on-site implementation to ensure successful system deployment and user adoption.

Skills: Delphi · RDBMS · Database Design · Application Programming Interfaces (API) · Oracle · Analytical Skills · Software Development

Jun 2025-Sept 2025

Bootcamp Data Analyst at RevoU

[Tableau Portfolio for Banking data](#)

[Tableau Portfolio for steam data](#)

[Presentation Example portfolio](#)

Skills: Statistic - Spreadsheet for analytics - SQL for analytics - Python - Tableau - Power BI