



CARLOS MICHAEL MARPAUNG

087728455891 | calmrp1412@gmail.com | <https://www.linkedin.com/in/carlos-michael-marpaung-836392267/> | <https://github.com/carlosmarpaung08> | <https://carlosmarpaung08.github.io/portofolio/>

West Jakarta, DKI Jakarta

Software Engineer with experience in backend development, SQL-based data processing, and full-stack application development. Strong foundation in building scalable systems using React, Django, Laravel, and relational databases. Experienced in handling data-intensive systems in the banking sector, collaborating in agile teams, and delivering reliable software solutions with clean, maintainable code.

Work Experiences

PT Bank Oke Indonesia Tbk (OK Bank) Aug 2025 - Present
SQL Developer

- Developed, maintained, and optimized SQL queries for regulatory and internal reports including Antasena, SLIK, SCV, and Basel III.
- Built and improved ETL processes to support daily and monthly data reporting requirements.
- Ensured data accuracy and consistency in compliance with OJK and BI regulations.
- Troubleshoot query failures and data discrepancies to improve reporting reliability.
- Documented reporting logic and query structures to support maintainability and team knowledge sharing.

PT Dimensi Kreasi Nusantara Aug 2024 - Dec 2024
Software Engineer (Internship)

- Developed and enhanced features for the Dots Mobile application using React Native, improving functionality and user experience.
- Built and maintained backend services using Django, ensuring smooth integration with mobile applications via REST APIs.
- Collaborated in an Agile/Scrum environment, participating in sprint planning and feature delivery.
- Debugged issues and implemented clean, maintainable code following best practices.

Book Recommendation System (LSTM-Based) Dec 2024 - Jun 2025
Programmer

- Developed a book recommendation system using the LSTM algorithm based on user preferences, with a case study using the Google Books API.
- Built a full-stack application with React (frontend) and Django (backend).
- Implemented and trained machine learning models using IPython Notebook, demonstrating applied data science in a real-world scenario.

Developed Workshop Management Dec 2024 - Mar 2025
Programmer

- Developed a comprehensive Workshop Management System for Batik Tegalana using Laravel, Tailwind CSS, and Livewire.
- Streamlined various aspects of workshop operations, including inventory tracking, sales management (POS system), customer reservations, and educational content delivery.
- Enhanced efficiency and public engagement with a user-friendly platform.

Developed Website Shop Management May 2024 - Sep 2024
Programmer

- Developed a comprehensive Shop Management website using C# and SQL Server.
- Designed a user-friendly platform to streamline inventory tracking and sales management.
- Optimized customer interactions and overall shop management processes.

Education Level

Institut Teknologi Del Sep 2022 - Jul 2025
Diploma 3 in Information Technology, 3.50/4.00

- Awarded the Pelangi Scholarship – PT Toba Pulp Lestari (2022–2025), a full scholarship covering tuition, dormitory, and living expenses, granted to selected students based on academic excellence and financial need.

Organisational Experience

Himatif (Himpunan Mahasiswa Teknologi Informasi) Aug 2023 - Jul 2024
Vice Chairman

Del English Club Oct 2022 - Sep 2023
Member

Awards & Certifications

Coursera <i>Google Advanced Data Analytics</i>	Mar 2025
Microsoft <i>elevAlte with Dicoding Program</i>	Mar 2025
Digital Talent Scholarship <i>Junior Web Developer at the Vocational School Graduate Academy Program</i>	Aug 2023
YCAB Foundation <i>Career Preparation of Youth Digital Acceleration Program</i>	Jul 2023

Technical Skills

Programming & Frameworks

- JavaScript, Python, PHP, C#, Dart
- React, React Native, Laravel, Django, Flutter, .NET

Database & Data

- SQL Server, MySQL
- Query Optimization, ETL, Data Validation

Tools & Practices

- Git, Postman, Figma
- REST APIs, Agile/Scrum