



# 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

<b>PT Bank Oke Indonesia Tbk (OK Bank)</b>	Aug 2025 - Present
<i>SQL Developer</i>	
<ul style="list-style-type: none"><li>Developed, maintained, and optimized SQL queries for regulatory and internal reports including Antasena, SLIK, SCV, and Basel III.</li><li>Built and improved ETL processes to support daily and monthly data reporting requirements.</li><li>Ensured data accuracy and consistency in compliance with OJK and BI regulations.</li><li>Troubleshoot query failures and data discrepancies to improve reporting reliability.</li><li>Documented reporting logic and query structures to support maintainability and team knowledge sharing.</li></ul>	
<b>PT Dimensi Kreasi Nusantara</b>	Aug 2024 - Dec 2024
<i>Software Engineer (Internship)</i>	
<ul style="list-style-type: none"><li>Developed and enhanced features for the Dots Mobile application using React Native, improving functionality and user experience.</li><li>Built and maintained backend services using Django, ensuring smooth integration with mobile applications via REST APIs.</li><li>Collaborated in an Agile/Scrum environment, participating in sprint planning and feature delivery.</li><li>Debugged issues and implemented clean, maintainable code following best practices.</li></ul>	
<b>Book Recommendation System (LSTM-Based)</b>	Dec 2024 - Jun 2025
<i>Programmer</i>	
<ul style="list-style-type: none"><li>Developed a book recommendation system using the LSTM algorithm based on user preferences, with a case study using the Google Books API.</li><li>Built a full-stack application with React (frontend) and Django (backend).</li><li>Implemented and trained machine learning models using IPython Notebook, demonstrating applied data science in a real-world scenario.</li></ul>	
<b>Developed Workshop Management</b>	Dec 2024 - Mar 2025
<i>Programmer</i>	
<ul style="list-style-type: none"><li>Developed a comprehensive Workshop Management System for Batik Tegalan using Laravel, Tailwind CSS, and Livewire.</li><li>Streamlined various aspects of workshop operations, including inventory tracking, sales management (POS system), customer reservations, and educational content delivery.</li><li>Enhanced efficiency and public engagement with a user-friendly platform.</li></ul>	
<b>Developed Website Shop Management</b>	May 2024 - Sep 2024
<i>Programmer</i>	
<ul style="list-style-type: none"><li>Developed a comprehensive Shop Management website using C# and SQL Server.</li><li>Designed a user-friendly platform to streamline inventory tracking and sales management.</li><li>Optimized customer interactions and overall shop management processes.</li></ul>	

## Education Level

<b>Institut Teknologi Del</b>	Sep 2022 - Jul 2025
<i>Diploma 3 in Information Technology, 3.50/4.00</i>	
<ul style="list-style-type: none"><li>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.</li></ul>	

## Organisational Experience

<b>Himatif (Himpunan Mahasiswa Teknologi Informasi)</b>	Aug 2023 - Jul 2024
<i>Vice Chairman</i>	
<b>Del English Club</b>	Oct 2022 - Sep 2023
<i>Member</i>	

## Awards & Certifications

---

**Coursera**

Mar 2025

*Google Advanced Data Analytics*

**Microsoft**

Mar 2025

*elevAlte with Dicoding Program*

**Digital Talent Scholarship**

Aug 2023

*Junior Web Developer at the Vocational School Graduate Academy Program*

**YCAB Foundation**

Jul 2023

*Career Preparation of Youth Digital Acceleration Program*

## 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