

NICOLAS PRASETIA HASUDUNGAN BATUBARA

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PROFESSIONAL SUMMARY

Third-year Software Engineering Technology student with practical experience in full-stack software development and solving real-world problems through technology. Skilled in JavaScript, PHP, Flutter, SQL, REST APIs, and database design, with a solid foundation in computer science fundamentals, algorithms, and data structures. Fast learner with strong analytical thinking and a passion for building scalable, user-focused software in collaborative engineering teams.

TECHNICAL SKILLS

- **Frontend:** HTML, CSS, JavaScript, TypeScript, Next.js, React, Flutter
- **Backend:** PHP (Laravel), GoLang, REST API Development, Node.js
- **Database Management:** MySQL, PostgreSQL, MongoDB, SQL Server
- **Software Engineering:** Data Structures & Algorithms, Object-Oriented Programming, Database Design, API Integration
- **Testing & Troubleshooting:** Functional testing, debugging, bug fixing, API testing with Postman
- **Tools:** Git, Docker, Postman, Figma, Android Studio, Jupyter Notebook

SOFT SKILLS

- Problem Solving
- Analytical Thinking
- Continuous Learning
- Team Collaboration
- Communication
- Adaptability

EDUCATION

Bachelor of Software Engineering Technology

Aug 2023 - Sep 2027 (Expected)

Institut Teknologi Del - Toba, North Sumatra

- GPA: 3.36 / 4.00
- Completed 30+ credits of relevant coursework:, including Software Engineering, Web Development, Database Systems, Data Structures & Algorithms, Mobile Development, and Object-Oriented Programming

KEY PROJECTS

Delbites - Campus Cafeteria App (Mobile + Web Admin)

Feb 2025 - Jun 2025

Full-stack | Laravel, PHP, JavaScript, Flutter, MySQL, Midtrans

- Developed full-stack web and mobile features to streamline campus cafeteria ordering and payment processes, improving user transaction efficiency.
- Designed and implemented RESTful APIs and integrated payment services to support reliable real-time transactions.
- Managed MySQL database schema design and data processing for orders, menus, and user records, achieving around 50% reduction in manual ordering time.
- Collaborated within a development team to analyse requirements, solve technical challenges, and deliver stable application features.

SMPN 2 Balige - School Information System

Feb 2024 - Jun 2024

Full-stack | Laravel, PHP, JavaScript, MySQL, HTML/CSS

- Developed and maintained a full-stack school administration web application using Laravel and PHP, supporting both frontend and backend development.
- Implemented UI features for student and staff portals based on system requirements, using HTML, CSS, and JavaScript.

- Designed and managed MySQL database for structured data storage, including role-based access control for different user types.
- Assisted in data processing and basic troubleshooting to ensure smooth daily operation of the system.

TAPATUPA - Government Market Retribution Platform

Feb 2026 - Jun 2026

Full-stack | JavaScript, PHP, PostgreSQL, MongoDB, Docker

- Assisted in developing and maintaining a multi-module web application for government market and asset management using PHP and JavaScript.
- Supported database management across PostgreSQL and MongoDB, handling data processing for multiple government departments.
- Containerized services with Docker for consistent deployment across environments.

Meditrack - Patient Management System

Mar 2026 - Apr 2026

Full-stack | GoLang, TypeScript, Next.js

- Built backend services and RESTful APIs in GoLang, demonstrating knowledge of Next.js and GoLang as additional technical strengths.
- Implemented UI features with Next.js/TypeScript frontend based on system requirements and participated in testing and debugging throughout the lifecycle.

ORGANIZATIONAL EXPERIENCE

Head of Funding and Business Division

Jan 2026 - Present

Dept. of Arts and Culture (DEPSENBUD) - Institut Teknologi Del

- Lead cross-functional coordination and communicate regularly with stakeholders to align on program goals and financial planning for 3+ active programs.

Facilities and Infrastructure Staff

Dec 2024 - Dec 2025

Dept. of Arts and Culture (DEPSENBUD) - Institut Teknologi Del

- Collaborated with multi-department teams to plan and execute 3+ campus-wide events under tight deadlines.

CERTIFICATIONS

- HackerRank – Problem Solving (Basic) (2026)
- Dicoding - Prompt Engineering for Software Developers (2026)
- Dicoding - Introduction to Artificial Intelligence (2026)
- Dicoding - Introduction to Data Science (2026)
- DigiCourse #2 - Mastering Exceptional UX, Telkom University (2025)
- Competitive Programming Participant - Institut Teknologi Del (2024)