Veri Marsil Marpaung

Software Engineering Student | Backend/Full-stack Developer

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SUMMARY

I'm a Software Engineering student at Del Institute of Technology with hands-on experience building and shipping web applications end-to-end. I've developed full-stack systems using Laravel/PHP, JavaScript, and MySQL, and I'm comfortable working with Git, Linux, and Docker. During my internship at Huawei, I also built a Python-based reporting automation to deliver scheduled project updates, improving consistency and reducing manual work. I'm eager to contribute as a software engineering intern by writing maintainable code, improving reliability, and collaborating in agile teams.

EXPERIENCE

Assistant Project Controller (Intern)   **Huawei**
XLSmart Project (XL–Smartfren MOCN)   June 2025 – Nov 2025

- Led Coordinated weekly meetings with 30+ subcontractors, ensuring site access and permit management across South & Central Sumatera.
- Tracked project milestones and issues, escalating delays and managing mitigation with internal teams and subcontractors.
- Developed a Python automation to fetch project data from Google Sheets, generate Excel reports, and send email summaries on a scheduled basis (Mon/Fri).
- Streamlined permit submission by creating a standardized guideline, improving processing efficiency by ~40%.

Research Trainee   **Remote, University of Chicago**
System and AI Research Training Program   Jan 2025 – Jul 2025

- Selected to participate in a prestigious international research training program led by Prof. Haryadi Gunawi from the University of Chicago, admits only the top 50 students in computer science and related disciplines.
- Analyzing over 40+ technical papers in my respective field (Software Engineering) across top conferences
- Reproducing 5 technical papers in software engineering field

Co-Mentor   **Coordinating Ministry for Human Development and Culture**
Kewirausahaan Pemuda Danau Toba (KWP)   Dec 2023 - Sep 2024

- Providing mentoring to program participants to enhance the entrepreneurial capacity of youth in the Lake Toba Region and Assisting participants in starting and managing their businesses.
- Designing, implementing, and providing mentoring for entrepreneurship training programs focusing on managerial, innovation, and marketing aspects.

PROJECTS

Balige Traditional Market (E-commerce)
Full-stack Developer - Github

- Led a team of 5 in developing a scalable e-commerce platform using Laravel, MySQL, and JavaScript. Defined project scope and objectives, and allocated tasks effectively, ensuring timely project completion.
- Conducted user research and usability testing, ensuring that the system's functionality aligned with stakeholders' needs, resulting in an improved user experience.
- Created project documentation, including system architecture, user flows, and feature specifications.

Chili Leaf Disease Classification (CNN-based Deep Learning Project)
Full-stack - Github

- Collected and preprocessed a custom dataset of 442 images for model training, applying various image augmentation techniques to increase dataset diversity.
- Built and trained a Convolutional Neural Network (CNN) model using VGG16 (Transfer Learning) with TensorFlow, achieving 95% validation accuracy.
- Documented model architecture, preprocessing steps, and evaluation results, creating comprehensive reports for future reference and potential collaboration with researchers.

Hutanta Coffee (Informational & Ordering Website)
Full-stack Developer - Github
- ○ Led a team of 5 to develop a web platform for Hutanta Coffee, targeting both online and on-site customers with a user-friendly interface.
- ○ Implemented a dual-role system using PHP, SQL, JavaScript, and Bootstrap: Buyers can place orders via WhatsApp or online, while Admins manage product listings and transactions.
- ○ Integrated real-time order tracking and user feedback systems, improving customer satisfaction and streamlining order management processes for admins
- ○ Conducted testing and gathered feedback from users to ensure that the platform was responsive and aligned with the company's goals.

EDUCATION

Del Institute of Technology, Undergraduate of Software Engineering   Aug 2022 - Aug 2026 (Expected)
- GPA: 3.67/4.0

SKILLS

Programming Languages: PHP, Python, C, Java, JavaScript, Go
Frameworks: Laravel, React, Node.js
Databases: MySQL, SQLite, MongoDB
Libraries: TensorFlow, Keras, Scikit-learn
Tools & Miscellaneous :Git, Github, Visual Studio Code, Docker, Microservices, Linux CLI
Methodologies : Scrum, Agile, SDLC, Lean
Project Management: Project Planning & coordination, Stakeholder Management, Issue & Risk Management, Project Documentation, Progress Tracking.
Soft Skills : Communication, Problem-solving, Teamwork, Leadership, Adaptability.

CERTIFICATIONS

Junior Mobile Programmer
Badan Nasional Sertifikasi Profesi (BNSP)   Issued: May 2024
- ○ Certified by BNSP in Software Development with competency in Junior Mobile Programming. Successfully built and tested a mobile application as part of the assessment. Certification valid for 3 years.

ORGANIZATION

Student Association of Software Engineering IT DEL (HIMATERA)   Oct 2024 - Present
Head of Event Division
- ○ Led the end-to-end organization of key events such as the Welcoming Party for new students, Leadership Inauguration Ceremony, and various technical webinars.
- ○ Demonstrated strong time management and multitasking skills by overseeing multiple events simultaneously while meeting strict deadlines.
- ○ Collaborated with internal and external stakeholders to secure venues, speakers, budgets, and sponsorships.

Google Developer Student Club (GDSC) IT Del   Sep 2023 - Aug 2024
Member
- ○ Worked with peers on group projects, applying Google technologies to solve real-world challenges.
- ○ Engaged in hands-on sessions, such as coding workshops and project-building, to strengthen technical skills.

LANGUAGES

Bahasa Indonesia   **:** Native
English   **:** Professional Working Proficiency (B2-C1)