MICHAEL TIMONULI

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PROFILE

Informatics Engineering graduate with a strong foundation in software development, focusing primarily on PHP for front-end and web application development. Skilled in PHP, C#, Java, Python, Linux, Ionic, Selenium and Kotlin, I have a keen interest in information management, enterprise systems, QA Testing and database management. I'm passionate about creating efficient, scalable solutions and enjoy collaborating in dynamic environments that combine technology and real-world problem solving.

EDUCATION

Bachelor in Software Engineering   September 2021 - 2025
University of Surabaya, Indonesia
- GPA: 3.5/4;
- Related Coursework: Database, Object Oriented Programming, Human Computer Interaction, Data Structure, Software Engineering, Web Programming, Distributed Programming, Hybrid Mobile Programming, Machine Learning, Leadership And Professional Ethics, Web Framework Programming, Management Information Systems, Database Management, SCM Accounting System, Enterprise System Implementation, System Testing & Implementation.

Indonesian International Student Mobility Awards   Aug - Dec 2024
Universidad de Granada, Spain
- Related Coursework: International Marketing, International Strategic Management.

EXPERIENCE

Software Engineer
Duo Dinamika IT Solution, Indonesia | Dec 2025 – jan 2025
- Developed a dynamic landing page consisting of different pages including homepage for Duo Dinamika IT Solutions.
- Implemented dynamic changeable elements for ease of use and interchangeability.
- Improved operational efficiency for both user and IT team.

Mbak Nonik Souvenir Store, Indonesia | Feb 2025 – Jul 2025
- Developed a web-based inventory, sales, and purchase management system using PHP (Laravel).
- Implemented transaction tracking, inventory control, and employee management features.
- Improved operational efficiency for both store employees and owner.

Software Engineer (Academic Projects)
University of Surabaya, Indonesia | 2023 – 2025
- Built a pharmacy stock management and forecasting system using Laravel to manage stock, stock predictions, staff, and transactions.
- Built a hotel management system using Laravel to manage customers, staff, and transactions.
- Developed a boarding house management application using C# (.NET) for tenants and landlords.
- Created a mobile scheduling application using Kotlin to manage user activities and reminders.
- Built an IMDb-like movie listing mobile application using Kotlin with search and CRUD features.
- Developed content management websites using PHP and JavaScript.
- Led small teams and ensured projects met functional and academic benchmarks.

SOFTWARE TESTING
Software Testing Project
IT Project, Indonesia | Sep 2025
- Designed test scenarios and test cases for an Employee Resource System (ERS).
- Performed UI automation testing using Selenium (UI Vision).

Software Testing (Academic)
University of Surabaya, Indonesia | Feb 2024 – Jul 2024
- Created test cases for VLC Media Player using Katalon Studio.
- Tested core features including download, streaming, and media controls.

DATA ENGINEERING PROJECT
Data Engineering (Academic)
University of Surabaya, Indonesia | Sep 2023 – Dec 2023
- Developed a machine learning model using Python to analyze student behavior data.
- Applied DBSCAN and K-Means clustering techniques.
- Predicted future GPA with accuracy up to 52%.
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SKILLS

- **Programming Languages:** Java, JScript, Kotlin, C# (.NET, ASP.NET), PHP (Laravel), Angular (IONIC), Dart (Flutter), Python (Colab), SQL Database (MySQL), Postman, Linux, Unix, Json, Selenium

- **Tools:** Postman, VSCode, Katalon, Android Studio, Unity, Apache Netbeans, Google Colab, Sublime Text, Github, UI Vision, MS Word, MS Excel, MS PowerPoint, Canva, Figma, Odoo

- **Language:** Bahasa Indonesia (Native), English (Full Professional Proficiency), Spanish (Beginner/Limited)
- **Interest:** IT Digital Audit, QA Automation, Full Stack Programming, Databases, Systems Management.