

## SUMMARY

Versatile Software Engineer with practical experience in full-stack development across web and mobile platforms. Adaptable and quick to learn, with a focus on user experience, performance optimization, clean architecture, and building scalable systems. Passionate about solving real-world problems through efficient, maintainable code.

## WORK EXPERIENCE

### SOFTWARE ENGINEER - E-Shia Digital Solution – Feb 2024 - March 2025

- Developed multiple Inventory & Accounting web applications using PHP, MySQL
- Contributed to the development of POS web application using PHP, MySQL, Vue & Laravel
- Developed Inventory mobile application using Flutter
- Developed Absence mobile application with fingerprint authentication using Flutter
- Implemented AI Face Recognition in Absence mobile application using Flutter & Python
- Created designs for Pharmacy Business using Figma
- Refactored code to improve performance and maintainability across projects
- Refined app architecture by structuring services, components, and data handling
- Configured, deployed, & maintained web servers using Nginx

### FRONTEND WEB DEVELOPER - PT. Pandawa Teknologi Nusantara – Apr 2023 - Oct 2023

- Developed a government ministry web application with modern responsive design and user experience
- Developed using code pattern for consistency and flexibility in development
- Created a reusable component library using Angular Material, resulting in faster development time for new features
- Developed using Angular, TypeScript, SASS, and Tailwind CSS

### SOFTWARE ENGINEER INTERN - Samsung R&D Institute Indonesia – Mar 2022 - Feb 2023

- Developed an analysis web application
- Created a reusable component library for faster development
- Introduced folder/code patterns to maintain project scalability and readability
- Optimized app performance and load time used by the company
- Worked on side projects such as admin dashboard and decrypt algorithm
- Participated in Scrum practices across the full SDLC, including sprint planning, development, and delivery
- Developed using ReactJS, TypeScript, PostgreSQL, Java, Python, and CodeIgniter

### FRONTEND WEB DEVELOPER - PT. Ammana Fintek Syariah – Jul 2021 - Oct 2022

- Developed an analysis web application
- Developed using code pattern for consistency and flexibility in development
- Created a reusable component library for the web application using Angular Material
- Developed using Angular, TypeScript, SASS, and Tailwind CSS

### FULL-STACK WEB DEVELOPER - PT. Satu Aplikasi Untuk Semua – Jul 2018 - May 2019

- Developed an ecommerce web application with a modern, responsive user interface, and database structure
- Created a reusable component library for faster development time for new features
- Created app architecture by structuring services, components, and data handling
- Developed using Vue, Laravel, and MySQL

## SKILLS

**SKILLS** - HTML, CSS/LESS/SASS, JavaScript/jQuery, TypeScript, Angular, Vue, React, PHP, Laravel, Python, Flutter, Tailwind CSS/Bootstrap, CodeIgniter, SQL/MySQL/PostgreSQL

**TOOLS** - Figma, Adobe Photoshop

**LANGUAGES** - Indonesia (Native), English (Professional Proficiency)

## EDUCATION

**BINUS UNIVERSITY** - Bachelor of Computer Science – 2019 - 2023

**IMMANUEL CHRISTIAN VOCATIONAL HIGH SCHOOL** - Computer and Network Engineering – 2016 - 2019

## ACHIEVEMENT

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### 5TH PLACE - WEB TECHNOLOGIES - SECOND VIRTUAL SKILLS COMPETITION – May 2020

Issued by WorldSkills India

- Placed 5<sup>th</sup> internationally
- Developed frontend business app (Angular)

### BEST STUDENT AWARD - JAWARA GAME INDONESIA – Dec 2019

Issued by Hago Indonesia

- Three-person team
- Developed a medium-scale 2D mobile game using JavaScript

### 2ND PLACE - WEB TECHNOLOGIES - NATIONAL SELECTION FOR THE 13TH ASC – Aug 2019

Issued by Ministry of Manpower of the Republic of Indonesia

- Placed 2<sup>nd</sup> nationally among participants from 30+ provinces in Indonesia
- Developed CMS app (WordPress), full stack business app (Angular & Laravel), and 2D game (JavaScript)

### 2ND PLACE - WEB DESIGN & DEVELOPMENT - NATIONAL COMPETITION – May 2018

Issued by Ministry of Manpower of the Republic of Indonesia

- Placed 2<sup>nd</sup> nationally among participants from 30+ provinces in Indonesia
- Developed CMS app (WordPress), full stack business app (Angular & Laravel), and 2D game (JavaScript)

## COMPETITIVE PROGRAMMING

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**Codewars** - 4 kyu rank, 120+ kata solved (initially JavaScript, now primarily Python) - [codewars.com/users/melvin-lin](https://codewars.com/users/melvin-lin)

**LeetCode** - 250+ problems solved (primarily Python) - [leetcode.com/u/melvin-lin-dev](https://leetcode.com/u/melvin-lin-dev)