Kelvin Tan

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Profile Summary

- Full-stack developer with experience in both frontend and backend development using modern technologies.
- Proficient in C# for backend development, Next.js for frontend applications, and Laravel for web projects.
- Strong foundation in building responsive web applications and RESTful APIs.
- Experienced in developing enterprise-level applications during internship with focus on backend systems.

Relevant Coursework

- Algorithm and Programming
- Data Structures
- Algorithm Design and Analysis
- Object Oriented Programming
- Software Engineering
- Object Oriented Analysis & Design
- Competitive Programming
- Database Technology

Experience

Backend Developer Intern - PT. Kalbe Farma Tbk
February 2024 - February 2025

- Developing backend services for a social organization that provides a scholarship system
- Implementing the services using C# and the ASP.NET framework.
- Managing data persistence with PostgreSQL database system
- Implementing cloud solutions on AWS for scalable application deployment
- Scheduling automated tasks and jobs using Cron Jobs for efficient data processing
- Optimizing performance and ensuring system reliability through best practices

Full Stack Developer - Bina Nusantara University
February 2023 - June 2023

- Developed an ASP.NET web application for pattern software design course.

Full Stack Developer - Cetiya Dhamma Manggala
June 2024 - September 2024

- Volunteered to develop a Laravel web application for an attendance system for Longevitology Therapy.
- Managed data persistence with MySQL database systems integrated with the hosting provider.
- Implemented user authentication using RBAC (Role Based Access Control).

Projects

YKK | *C#, .Net, PostgreSQL* | [View the Website](#)

- ASP.Net Backend for a Scholarship system from Yayasan Khouw Kalbe.
- Developed secure, scalable APIs with role-based access control (RBAC).
- Ensure API security, authentication (JWT)
- Applied best practices in making efficient .Net core application

Longevitology Attendance System | *PHP, Laravel, MySQL* | [View the Website](#)

- A simple Laravel attendance system project using Laravel
- Developed secure, scalable APIs with role-based access control (RBAC).

Swift POS | *React Native, Express.js, React* | [View the Website](#)

- Fullstack Point of Sale system with mobile app and admin dashboard
- Built mobile cashier interface with React Native for iOS and Android
- Developed RESTful API backend using Express.js and PostgreSQL
- Implemented secure JWT authentication for secure API access
- Integrated Midtrans payment gateway for secure transactions
- Created admin panel with React for inventory and sales analytics

Technical Skills

Programming Languages: C++, C#, C, Java, Python, JavaScript, TypeScript

Backend Development: ASP.NET, REST API, WebSocket, PostgreSQL, MongoDB

Development Tools: Git, Cursor, Trae, Visual Studio Code, Docker Desktop, Linux, CI/CD

Web Development: Web APIs, Web Security, Json Web Token Authentication, Laravel, OAuth2 Authentication, React, HTML/CSS

System Design: Distributed Systems, High Performance, System Architecture, Memory Management, Performance Optimization

Education

Bina Nusantara University *Expected 2025*

Bachelor of Computer Science - GPA: **3.29**