

KEVIN MARCHELLINO

JUNIOR BACKEND ENGINEER / SOFTWARE ENGINEER

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EDUCATION

August 2021 - August 2025

Bina Nusantara University | Jakarta, Indonesia

Bachelor of Computer Science (BCompSc / BCS)

- GPA: 3.77/4.00 | Thesis: "Design and Development of Event Management Menu on XYZ Online Services Web-Based: A Case Study on PT.XYZ"
- Contributed in 8th ICCSCI 2023 and presented my research paper titled 'A Comparative Analysis of Decision Tree and Support Vector Machine on Suicide Ideation Detection' during 2-3 August 2023.

WORK EXPERIENCE

February 2024 - February 2025

Full Stack Developer Intern, BINUS ONLINE

- Co-developed and deployed an Event Management module for the university LMS using C#, ASP.NET Core MVC, LINQ, and Microsoft SQL Server, supporting student activity submissions and graduation-point tracking.
- Implemented student and staff workflows for evidence submission, review, approval, revision, rejection, and viewing accumulated graduation points.
- Built configurable event categories, subcategories, and activity levels, along with reporting functionality that enabled staff to review processed submissions across students.
- Collaborated with another developer, system analysts, and business users throughout requirements analysis, system design, implementation, code review, and UAT.
- Supported black-box testing with system analysts and staff users; the completed modules passed UAT and were deployed to the production LMS.
- Integrated Zoom participant data into the LMS, automatically retrieving attendance records from university-hosted seminars and persisting them for staff access.
- Used Azure DevOps and Git for feature branches, pull requests, code integration, and conflict resolution.

PERSONAL PROJECTS

Digital Garden API - Spring Boot

- Built and deployed a RESTful backend API for a personal digital garden using Java, Spring Boot, Spring Data JPA, PostgreSQL, Flyway, and JWT authentication.
- Implemented public and admin APIs for posts, comments, categories, publishing/unpublishing, soft delete behavior, pagination, and category-based post filtering.
- Designed a layered controller-service-repository architecture with DTO mapping, centralized exception handling, and OpenAPI/Swagger documentation.
- Added repository, service, controller, and JWT integration tests using JUnit 5, Mockito, AssertJ, DataJpaTest, WebMvcTest, SpringBootTest, and MockMvc.
- Containerized local PostgreSQL setup with Docker Compose and deployed the API using Railway with Neon PostgreSQL.

TECHNOLOGIES & LANGUAGES

Languages: Java, C#, JavaScript, SQL

Backend Development: Spring Boot, Spring Data JPA, Spring Security, ASP.NET Web API, REST API, JWT

Databases & Persistence: PostgreSQL, MySQL, Microsoft SQL Server, Flyway

Version Control & Deployment: Git, GitHub, Azure DevOps, Bitbucket, Railway, Neon

Tools & Testing: Postman, Swagger/OpenAPI, Docker, JUnit 5, Mockito, AssertJ, MockMvc

Design & Prototyping: Figma