

Code My Future : Building My Experience as a Full Stack Web Dev at PT Arkatama Multi Solusindo

Application development has been my passion since I was on senior vocational school, especially in web and backend development. Since then, I have been craving for more experience and knowledge about application development. Hello everyone, I am Krisna Putra Mariyanto, a “soon to be” professional web developer and backend engineer. I am now at the end of my 6th semester in Brawijaya university, enrolled on information engineering major, computer science faculty. In this semester, instead of having regular class like previous semesters, I enrolled myself in MSIB program to convert my regular class into having an internship for a semester.

I am having my internship at PT Arkatama Multi Solusindo, a company specialized in custom application development, digital marketing, and IT training. Like my passion, my position on this internship is full stack web developer. As a full stack web developer in this company, my primary task is to implement the UI/UX of an application into a real application mainly using Laravel. MSIB require every enrolled student to have their own project that must be completed before this semester end. At this internship, I worked on five company projects and one partner project from PT Arkatama Multi Solusindo. The main project I'm working on is the project from the company's partner.

The main project I'm working on currently is HitungRumah.com. HitungRumah.com is a web-based application built for an architect or every job related to building house so that they can calculate the detailed cost for making a house. This web application is built using Laravel and MySQL tech stack. This project has four development phase that going through February until May, those are analyze, design, implementation, and testing. Currently, the phase of the project is at testing.

Through the duration of the project, my team at PT Arkatama Multi Solusindo experienced a series of ups and downs, navigating through both triumphs and challenges. Most of the downs are caused of miscommunication between our team and client that result in wrong perception of the business process. There were moments of significant progress also where our collective efforts resulted in breakthroughs, such as successfully integrating a complex feature that enhanced the web application's functionality. However, these high points were balanced by periods of difficulty, including debugging stubborn code issues and managing tight deadlines.

When the project is completed, it results is not only in functional web application but also benefits for the company and my professional track record as a full stack web developer. PT Arkatama Multi Solusindo's reputation will rise at the moment client get the application they needed. For me, it adds to my portfolio as a web developer, especially since the experiences I get are from professional term.

If I was not enrolled in Information Engineering FILKOM, it would be so hard to adapt in the company I have my internship. Knowledges about Laravel web development and database programming from FILKOM has helped me a lot through

my internship since the main tech stack used in PT Arkatama Multi Solusindo is Laravel and MySQL. But I realized that between the education in college and real working experience is so different after I have my intership. By having MSIB Internship at PT Arkatama Multi Solusindo, I get to implement and strengthen the knowledge I got from my college education.

For me, this whole internship program is so beneficial for me. Because of this intership, I get a lot of insight on how to use Laravel better and code a program efficiently. Besides, I will have a professional experience as a web developer after the program is finished.