ILHAM FATHUROHMAN ISMAN

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SUMMARY

I have been working in the IT/consulting field, startups, and state-owned enterprises for more than five years. I have experience in various areas such as UI/Design, Web Development, Frontend Development, SEO Specialist, Backend Development, and Quality Assurance and Control. I am now opening up positions for MERN Fullstack, Fullstack Developer, Backend Developer, and Frontend Developer roles.

WORK EXPERIENCE

EDUWORK   **Yogyakarta**
Fullstack MERN - (Internship)   *Mar 2023 – Aug 2023*

- Developed a full-stack E-commerce application and achieved an 80% feature completion rate for 6 weeks using MERN Stack (MongoDB, Express.js, React, Node.js) and RESTful API.
- Conducted research related to the products sold in the application to be developed to increase the data originality rate by 70% by conducting data analysis on the target market.
- Set the initial configuration on the backend to be easy to use by using an express-generator.
- Build servers and databases that can improve data response efficiency <200ms by using non-SQL Database (MongoDB).
- Designed and developed the Application Programming Interface (API) needed to integrate data resources, for 3 weeks using Express.js, and MongoDB.
- Designed a database model for product, user, address, order, and invoice data that improved data loading performance by 30% using MongoDB as the database.
- Created access roles for the database thereby reducing the data vulnerability level by 50% by utilizing CASL Ability.
- Implemented user authentication and authorization to keep user data secure, increasing data security by 50% using JSON Web Token and password hashing with bcrypt.

PT POS INDONESIA   **Bandung**
Quality Assurance - (Fulltime)   *Jan 2022 - Present*

- Testing whether the modules created are under the needs of partners to increase data accuracy by 90% which is contained in the test attachment and also the log results as evidence that testing has been carried out on the module using the application that has been made by collaborating with the developer, partner and then operation division.
- Testing whether the modules created have functioned properly according to the previous system integration test document to user acceptance test results report can be used as a reference for conducting test operations using the application that has been made by collaborating with the developer, partner and then operation division.
- Testing whether the modules that have been deployed to production have functioned properly to report should be submitted to the team leader to compose an official report using the application that has been made by collaborating with the developer, partner and then operation division.
- Create a brief guide to can use so that vendors the brief guide as a guideline in operating each module using Microsoft Word based on normal scenarios that contain test attachments and response code descriptions.
- Create technical documentation to used by developers as a guideline for development and maintenance using Microsoft Word to created with based on the information obtained in the attachment the official memorandum.

PT POS INDONESIA **Bandung**
Web Developer Bangsisfo Jaskug - (Fulltime) *Aug 2021 - Dec 2021*
- Develop a system for internal purposes for 5 months using PHP CodeIgniter technology, SQL Server, JavaScript, REST API and web socket.
- Develop an existing system based on vendor requests under the needs stated in the official memorandum to that features or modules can be under vendor requests using PHP CodeIgniter technology, SQL Server, JavaScript, REST API and web sockets by collaborating with partners and co-developers..
- Design a database according to the needs to run a single command line that contains complex logic can be created using store procedures, functions and triggers using HeidiSQL as a complete tool for database management, development and administration.
- Create and manage APIs with Restful API to share information between devices through service APIs without having to connect directly to the database using the php codeigniter programming language and using sqlserver as a database and collaborating with partners and co-developers in the development process.
- Make improvements related to the findings/bugs obtained in the testing process to minimize the possibility of bugs attacking the system we have created using visual studio code as an interpreter in order to carry out the debugging process according to the type of bug contained in the log by collaborating with quality assurance regarding the findings/bugs that have been attached to the minutes.
- Deploy to development or production environments to be accessible to vendors or the public using git to manage program source code versions by specifying lines and code to be added or replaced and then uploaded to the server using SSH or FTP.

PT ENTLIVEN TEKNOLOGI INTERNASIONAL **Jakarta**
Backend Develeper - (Partime) *Aug 2021 - Dec 2021*
- Build an edatabasecv to manage employee data, tender archives and also CV using the PHP Codeigniter programming language, CSS, MySQL and Microsoft Office.
- Analyze system problems and develop a system to facilitate clients in managing employee data, tender archives, and also the CV using php Codeigniter, CSS, MySQL, and Microsoft office to adding Excel file upload features and document template features.
- Deploy to development or production environments to be accessible to vendors or the public using git to manage program source code versions by specifying lines and code to be added or replaced and then uploaded to the server using SSH or FTP.
- Convert the appearance of web design in the form of images into small parts of design figma to create various supporting images for web display, in order to facilitate the conversion from design display in the form of images to display in the form of HTML CSS using HTML, CSS, and javascript in implementing the design results.
- Optimizing the website to increase the index of website articles on google pages (Z) using javascript and CSS minification, then limiting the size of uploaded images, optimizing the database by minimizing repeated requests.

PT POS INDONESIA **Bandung**
Web Develeper - (Fultime) *Mar 2021 - Aug 2021*
- Build an internal website in accordance with the needs of vendors to reconcile partner or internal data using php codeigniter, SQL server, javascript, CSS and bootstrap by collaborating with business teams and fellow developers in the design process.
- Develop the site to add features/modules and improvements to the modules that have been made using PHP CodeIgniter, SQL Server, JavaScript, CSS, and Bootstrap and collaborate with partners and fellow developers in the development process.
- Design a database according to the needs to run a single command line that contains complex logic can be created using store procedures, functions and triggers using HeidiSQL as a complete tool for database management, development and administration.

- Create and manage APIs with Restful API to share information between devices through service APIs without having to connect directly to the database using the php codeigniter programming language and using sqlserver as a database and collaborating with partners and co-developers in the development process.
- Make improvements related to the findings/bugs obtained in the testing process to minimize the possibility of bugs attacking the system we have created using visual studio code as an interpreter in order to carry out the debugging process according to the type of bug contained in the log by collaborating with quality assurance regarding the findings/bugs that have been attached to the minutes.
- Deploy to development or production environments to be accessible to vendors or the public using git to manage program source code versions by specifying lines and code to be added or replaced and then uploaded to the server using SSH or FTP.

EDH GROUP   **Jakarta**
Frontend Developer & SEO Specialist - (Fultime)   *Mar 2020 - Nov 2020*
- Develop and improve the website to appear in organic search results and get attention from users using Ahrefs as a tool to conduct keyword research then create an SEO-friendly article structure using short paragraphs including titles, articles must be original based on the results of keyword research that has been done by including internal and external links in the article.
- Optimizing the website to increase the index of website articles on google pages using javascript and CSS minification, then limiting the size of uploaded images, optimizing the database by minimizing repeated requests.
- Implement the PSD design into HTML to create a web page in the form of a landing page according to the design in PSD using HTML, CSS in changing the appearance of web design in the form of images into small parts.
- Conduct SEO Analysis and research content keywords to rank high on search engines and be read by a large audience using specialized tools such as Ahrefs to search for keywords.
- Find, expand, and optimize keywords to get interests that are often searched by users in search engines by multiplying relevant selected keywords using the Google Keyword Planner keyword research tool to estimate the average search volume each month and then get potential keywords that have not been used, then see the search volume, and the difficulty level, and see how many competitors.

PT NEOSOFT TEKNOLOGI ASIA   **Jakarta**
Web Developer (Fultime)   *Nov 2019 - Feb 2020*
- Develop an existing Point Of Sales website for 4 months using Laravel, CSS, Javascript and MySQL.
- Develop the site to add features/modules and improvements to the modules that have been made using PHP Laravel, MySQL, JavaScript, CSS, and Bootstrap.
- Make improvements related to the findings/bugs obtained in the testing process to minimize the possibility of bugs attacking the system we have created using visual studio code as an interpreter in order to carry out the debugging process according to the type of bug contained in the log by collaborating with quality assurance regarding the findings/bugs that have been attached to the minutes.
- Design a database according to needs to run a single command line that contains complex logic can be created using store procedures, functions and triggers using HeidiSQL as a complete tool for database management, development and administration.

RC ELECTRONIC   **Bandung**

Web Developer - (Fulltime)   *Sep 2018 - Oct 2019*

- Develop and design the system for 11 months consisting of landing pages, timeline management and mini ERP using PHP programming language with Codeigniter, Javascript, CSS, MySQL, Firebase and Node frameworks.js
- Design a database according to needs to run a single command line that contains complex logic can be created using store procedures, functions and triggers using HeidiSQL as a complete tool for database management, development and administration.
- Fixing system problems to minimize the possibility of bugs attacking the system that has been created using Visual Studio Code as an interpreter in making changes to the system that has been designed to handle programming bugs/errors according to the findings that have been noted previously.
- Deploy to development or production environments to be accessible to vendors or the public using git to manage program source code versions by specifying lines and code to be added or replaced and then uploaded to the server using SSH or FTP.
- Implement the PSD design into HTML (Y) to create a web page in the form of a landing page according to the design in PSD using HTML, CSS in changing the appearance of web design in the form of images into small parts.

PT TELKOM INDONESIA   **Bandung**

UI Designer - (Internship)   *Mar 2016 - May 2016*

- Creating a UI/UX design for an android application to solve a user problem according to the results of user persona research so that users get a better experience in using the application using figma in the design process and collaborating with researchers and developers.
- Conduct user persona research to sort which personas are prioritized according to the research results using questions that have been created with google docs to describe users to make it easier to understand user needs and interests.
- Designing UI/UX according to user needs based on the results of user persona research to describe the entire process in designing UI/UX design using figma in creating user flow to describe the process based on what features will be designed according to the results of user persona research then create a design system to keep the design constant and organized then create a wireframe based on the user flow that has been created then create a UI design that is in accordance with the wireframe and design system that has been created and prototype to describe the user experience.

CERTIFICATION & BOOTCAMP

EDUWORK   **Yogyakarta, (Online, ID)**

MERN Fullstack / Completion in eduwork ReacJS & NodeJS 2023   *Jan 2023 – Aug 2023*

- I learned the basics and operation of version control and implemented collaboration simulations with a mentor to gain real experience using Git and GitLab.
- I studied and built a simple website to deepen my understanding of JavaScript fundamentals for one week, focusing on Object-Oriented Programming (OOP) and Asynchronous JavaScript.
- I understood how to use JavaScript components and libraries for workflow optimization so that the resulting applications ran smoothly and efficiently for two weeks, using the ReactJS library and its components such as hooks, routing, and Redux.
- I built a backend server to configure the database server using the ExpressJS framework running on top of NodeJS.
- I developed and implemented a simple Full Stack application to create a full-stack website with a Frontend UI and Backend RESTful API services for one week, utilizing both SQL and NoSQL databases (MongoDB) to create standalone API services.

- I developed and implemented a Full Stack MERN (MongoDB, Express, React, Node) project for a final assignment based on an E-commerce website with complex features, built-in over approximately 8 weeks.

Digital Talent Scholarship   **Jakarta, (Online, ID)**
PRO22 Batch 3 UI & UX Design   *Jul 2022 – Oct 2022*
- I designed the UI/UX and prototypes for the gold investment feature in Amartha using the design thinking method and validated them through usability testing using SEQ Scale, achieving an average SEQ score of 6.58 out of 7.
- I created and executed a research plan to gather user behaviors, needs, and pain points for the development of the gold investment feature by conducting primary and secondary research as well as user research.
- I gathered insights from three users through in-depth interviews, analyzed user needs and pain points, and executed these insights to create a crowdfunding feature for gold investment, pioneering ahead of the rest of the team.

Skilvul   **Jakarta, (Online, ID)**
Javascript Dasar (Gold)   *Nov 2022 – Nov 2022*
- I learned how to embed JavaScript into HTML, which can be divided into two ways: internal JavaScript and external JavaScript. By using external JavaScript, users could simplify code tracing and make it look cleaner compared to internal JavaScript.
- I familiarized myself with data types and variables in JavaScript. Data types are different kinds of data that can be stored in variables, and variables are names that represent values. Variables can hold various types of values, such as strings, numbers, objects, arrays, and more.
- I studied JavaScript operators, which are symbols used to perform operations on values and variables.
- I gained an understanding of JavaScript functions, which are reusable sub-programs that can be used within a program or in other programs.
- I learned about arrays in JavaScript, which are data structures used to store a collection of data in one place.
- I studied JavaScript objects, which are variables that store values (properties) and functions (methods).
- I learned how to use the Math object in JavaScript, which contains mathematical functions and constants for mathematical calculations such as sin, cos, tan, exponentiation, square roots, etc.
- I studied JavaScript loops, which are commonly used to perform repetitive tasks based on a condition. Loops are generally available in all programming languages, although their implementations and syntax may vary.
- I learned about conditionals in JavaScript. Conditionals allow programs to think and make decisions based on the logic/conditions provided.
- I gained an understanding of JavaScript HTML DOM, which is an interface that allows developers to manipulate web pages in terms of their structure, appearance, and content.
- I understood JavaScript ES6, which is a standardization of JavaScript code called ECMA Script or ES. It introduces features like let, const, arrow functions, spread properties, and the spread operator, as well as classes.
- Link Certificate (*Javascript Dasar - Gold*) *Valid until 18 Nov 2024*

Skilvul   **Jakarta, (Online, ID)**
Javascript Intermediate(Gold)   *Nov 2022 – Nov 2022*

- I learned about Advanced Arrays 1 - Iteration in JavaScript, where there are several methods specifically for handling arrays, such as array.forEach(), array.map(), array.filter(), and array.reduce().
- I studied Advanced Arrays 2 - Multidimensional Arrays in JavaScript, which are arrays that contain other arrays within them. The concept is similar to regular arrays (one-dimensional), except that the number of indices used to access values inside the array is equal to the dimension of the array.
- I learned about Recursion in JavaScript. Recursion is a function that calls itself, thereby repeating the commands executed within that function, similar to looping. In some other programming languages that do not have looping syntax, recursion is used as a solution for repetition.
- I delved into Regular Expressions (Regex) in JavaScript, which are patterns used as criteria to match character combinations in a string.
- I studied Modules in JavaScript, which are JavaScript files containing values of objects, functions, and variables. These files can be exported and imported by other files, allowing the importing files to use the values from the exported file.
- I learned about Object-Oriented Programming (OOP), a programming method that revolves around objects. The purpose of OOP is to simplify program development by following models that exist in everyday life.
- I delved into Prototypes, which are empty objects that can have members added to them, similar to what is often done with other objects.
- I explored Asynchronous programming in JavaScript, a method used to execute tasks asynchronously. AJAX is used to make data requests and handle responses, whether they are in XML, JavaScript, or JSON format from a REST API, without waiting for other code executions to finish, making it appear as if they are executed simultaneously.
- I studied Advanced Arrays 3 - Array of Objects in JavaScript, learning how to create arrays of objects in JavaScript by first declaring an empty array and then initializing it with objects separated by commas.
- I learned about Web Storage in JavaScript, a method used on websites to store data on the client-side.
- Link Certificate (*[Javascript Intermediate - Gold](#)*) *Valid until 23 Nov 2024*

Skilvul   **Jakarta, (Online, ID)**
Amartha: UI/UX Challenge   *Jun 2022 – Jan 2023*

- I understood the problem statement of the challenge and began user research as the first step.
- We conducted secondary research to find all data with similar insights about the challenge project. The data we obtained included information from articles, AMA sessions with challenge partners, qualitative data, competitor analysis, customer reviews, analytical data, and competitor user feedback.
- We gathered all the pain points we obtained after conducting secondary research and started creating personas and pain points.
- After collecting all the pain points, we generated "How Might We" (HMW) questions and solution ideas.
- We organized similar solution ideas into categories and called it an Affinity Diagram.
- We started the ideation phase using the Idea Prioritization matrix and then proceeded with brainstorming.
- We created Crazy 8 user flows and low-fidelity wireframes for design.
- Next was designing the system to prepare the user interface with high-fidelity design.
- After that, we created a well-crafted prototype for users to interact with the User Interface design we had created.

- The testing phase involved using the In-Depth Interview method and Usability Testing. Additionally, usability testing for this project utilized the System Usability Scale (SUS) method as a UX Metric to determine how easily users could use the gold investment features in Amartha that had been developed.
- Link Certificate (*Amartha: UI/UX Challenge*) *Valid until 28 Oct 2024*

Skilvul   **Jakarta, (Online, ID)**
UI/UX Design Mastery (Gold)   *Aug 2022 – Aug 2023*
- I learned about Design Thinking in UI/UX. Design Thinking was a creative approach to problem-solving that focused on a deep understanding of end-users.
- I studied how to create user flows. User Flow was the sequence or steps that users used to achieve specific goals in an application or website.
- I learned how to create wireframes in UI/UX. Wireframes were the basic visual framework of the user interface used for planning layouts and navigation.
- I understood the UI Style Guide in UI/UX. The UI Style Guide was a guideline document that contained instructions on design elements, colors, and typography used in a design project.
- I learned how to create a good UI/UX design by following the user interface design process and ensuring an optimal user experience in an application or website.
- I learned how to create a good UI/UX prototype by referring to the initial model of the user interface used to test and develop design concepts before actual development began.
- I learned how to create User Research Documents, which were documents containing the results of user research, including interviews, observations, and data analysis.
- I practiced writing UX Case Studies, which were reports documenting the process and results of user experience design in a specific project or product.
- Link Certificate (*UI/UX Design Mastery*) *Valid until 15 Aug 2024*

EDUCATION

POLITECHNIC POS INDONESIA   **Bandung**
Associate's Degree - Informatic Engineering   *Mar 2013 - May 2017*
- In the Database course, we covered the principles of databases, entity-relationship modeling, and learned the SQL language. We developed skills in designing, managing, and optimizing databases, as well as understanding the importance of data integrity.
- In the Object-Oriented Programming course, we discussed a programming method that is object-oriented, aimed at simplifying program development by following models that exist in everyday life.
- I worked on a final project titled "Design and Build a Web-Based Point of Sale System" for a motorcycle workshop in Bandung. This final project involved designing a point of sale system using the waterfall method and was built using PHP CodeIgniter, CSS, JavaScript, MySQL, and a thermal printer for invoice output.

SKILLS, INTERESTS, & LANGUAGES

Technical Skills : Node.js & Express | Reactjs | MongoDB | MySQL | HTML | CSS | Javascript | Bootstrap | Tailwind | RestAPI | Docker Containerization | Docker compose | Firebase | Git .

Soft Skills : Problem solving | Adaptability | Time management | Teamwork | Dependability

Interests: MERN Full Stack | Fullstack Developer | Backend Developer | Frontend Developer

Language : Indonesian (Native) | English (Beginner)

PROJECTS

EDUSTORE   *Mar 2023 - April 2023*

Details : A mini E-Commerce was created to fulfill graduation requirements, where users could register, add products, make purchases, complete payments, view order history, and access invoices.

Tools   : NodeJS | ExpressJS | MongoDB | ReactJS | Tailwind | Redux | Mongoose | Git | Payment Gateway | Web Storage | Docker .

Link Frontend : [Edustore - Frontend](#)

Link Backend : [Edustore - Backend](#)

Demo   : -

AMARTHA UI/UX CHALLENGE   *Jul 2022 - Sep 2022*

Details : It was designed to address the challenge as a requirement for graduation by creating a gold investment application design with gamification features using design thinking as our design process approach.

Tools   : Figma | Adobe Photoshop | Google Docs | Google Sheets | Medium.

Link   : [Amartha UI/UX Challenge](#)

Demo   : [Amartha UI/UX Challenge](#)

EDATABASECV   *Aug 2021 - Sep 2021*

Details : It was designed to monitor employees, monitor tender archives, and automatically generate CVs based on employee data according to templates provided by the client in .docx format.

Tools   : PHP Codeigniter | Css | Javascript | MySQL | Microsoft Office Word | Microsoft Office Excel.

Link   : [E-Database-CV](#)

Demo   : -

SALESFORCE   *Mar 2021 - May 2021*

Details : It was designed to meet the vendor's needs in reconciling partner data, allowing them to monitor matching data, completed reconciliations, mismatched data, and unrecognized data.

Tools   : PHP Codeigniter | Css | Javascript | Bootstrap 4 | SQL Server | Microsoft Office Excel | RestAPI

Link   : [Salesforce](#)

Demo   : -

RUMAH RUTH   *Nov 2019 - Nov 2019*

Details : It was created to facilitate obtaining information about the Yayasan Rumah Tumbuh Harapan, such as services and donations.

Tools   : PHP Codeigniter | Css | Javascript | Bootstrap 4 | MySQL | Google Analytics

Link   : [Rumah RUTH](#)

Demo   : [Rumah RUTH](#)

PIPESYS   *Jan 2019 - Oct 2019*

Details : It was created to assist in the business process of purchase, sales, inventory, and accounting transactions. It can be used for various fields of business transactions, such as retail, restaurants, cafes, and others.

Tools   : PHP Codeigniter | Css | Javascript | Bootstrap 4 | MySQL

Link   : Pipesys

Demo : -

REFERENCE

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