

ICHTIARWAN DWI RAMADANU

CONTACT



6285640046583



ichtiarwandwiramadanu@gmail.com



Sudagaran st., Sukorejo, Central Java 51363
Indonesia



www.linkedin.com/in/ichtiarwan-d-81271521a

SUMMARY

I am a recent physics graduate studying instrumentation and electronic systems. I like learning new things outside the field of science I study. Passionate and dedicated Full Stack Web Developer with experience in crafting dynamic web applications and solutions. I am always eager to embrace new technologies and rise to the challenge of solving complex problems. I am also interested in engineering and business. I have studied data analysis, business development and marketing strategy planning. I believe that engineering thinking can be applied in the business world very effectively, solving complex problems and innovating.

WORK EXPERIENCE

Junior Web Developer

SM Tech | Semarang, Indonesia

August 2023 - February 2024

- Developed websites to work properly across Microsoft, Google and Mozilla browsers.
- Used coding skills to build prototype sites according to designer vision.
- Collaborated with design team to create attractive and user-friendly websites.
- Worked on back end to develop server logic protocols and manage database connections.
- Created code in HTML, JavaScript and PHP.
- Improved coding of JavaScript and CSS to enhance user experience and functionality.
- Cooperated with back-end developers to troubleshoot and solve coding challenges.
- Updated web pages and navigation tools to meet client's current needs and improve usability.
- Leveraged PHP & JavaScript frameworks' classes to integrate with complex enterprise authentication technologies and manage database transactions.
- Designed user-friendly website to improve accessibility and responsiveness.
- Design UI and UX for technical feasibility by collaborating with back-end development personnel.

Marketing Team

Software Mahasiswa | Semarang, Indonesia

Febryary 2023 - Agustus 2023

- Conducting product research to beat competitors.
 - Analyze sales advertisements and compare the amount of capital and profits obtained.
 - Carry out market research to see target market opportunities and strategies to be implemented.
 - Leading affiliate marketing teams to make sales with social media platforms.
 - Analyze advertising data and find ways to increase sales with advertising.
 - Research Strategic planning to develop a winning product.
 - Maintenance and operate marketplace for increase sales.
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Network Complaint Handling Mobile Application Development (Intern)

PT. Telekomunikasi Selular | Surakarta, Indonesia

February 2022 - August 2022

- Understanding Technology Cellular, Basic Signal Propagation & Modulation, Basic Cellular Radio Operation & Maintenance, Basic Radio Optimization & Analytic
- Develop tools for resolving customer complaint problems about networks using web-based applications.
- Maintained knowledge of industry standards and programming principles.
- Troubleshoot applications, programs and software according to supervisor and customer needs.
- Created and designed source code for new applications.
- Assisted with prototype designs and made adjustments according to specifications.
- Identified key application features and customer requirements.
- Implement work with agile management scrum
- Created code in HTML, JavaScript, and CSS.
- Cooperated with back-end developers to troubleshoot and solve coding challenges.

ORGANIZATION EXPERIENCE

Physics Student Association - Diponegoro University (2019)

Research & Development - Staff

- Planning work programs to improve the performance of organizational members.
- Conduct weekly member performance assessments and evaluations.
- Provide rewards & punishment for each member based on performance level.
- Assist with work program activities carried out by other divisions.
- Supervise each division and monitor ongoing work programs.

Physics Research Association - Diponegoro University (2020)

Research - Staff

- Planning work programs for national university level scientific writing competitions.
- Create activities to educate good and correct research and scientific writing.
- Conduct research to be submitted to national level research competitions.

Madani (Spiritual Organization) - Diponegoro University (2020)

Economic - Staff

- Create an annual budget plan for the organization.
 - Create work programs for income and management of the organization's budget.
 - Carry out financial supervision for the use of the organization's work program.
 - Organize regular Islamic economic study events for knowledge about the Islamic economic system.
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CERTIFICATIONS / COURSE COMPLETION

Google IT Support

Coursera

- Algorithm & Encryption
- Debugging
- DNS
- Customer Support
- Linux
- IPV4
- Network Protocol
- Cloud Computation
- Network Layer Model

AWS Academy Cloud Architecting

AWS Academy

- Architecting Solutions On AWS
- AWS Cloud Best Practices
- Building Infrastructure On AWS
- Use AWS services and technologies to support businesses across the globe.
- Learn to build on the AWS Management Console
- Cloud implementations

VOLUNTEERING EXPERIENCE

Community Service Physics Student Association - Diponegoro University (2019)

Volunteer Participant

- Carrying out overnight activities at residents' houses in West Ungaran Village, Semarang Regency for three days to help with the daily activities of the local community.
- Holding quality fertilizer education activities to increase agricultural yields of village residents.
- Carrying out education and teaching in village elementary schools.
- Hold meetings with village communities to discuss village development and progress.

COMPETITION EXPERIENCE

Scientific Writing Competition - University of Indonesia (2021)

Best 5 Finalis

Create scientific papers for tools to monitor damage to turbofan aircraft engines using Li-Dar sensors and image processing.

Business plan Competition - Brawijaya University (2020)

Finalis

Create business innovations for the production of agricultural tools that make it possible to grow rice in marine areas with technology that makes it possible for agriculture.

Student Creativity Program - Ministry of Research and Technology (2020)

Awardee

Carrying out research to apply for research funding from the Ministry of Research of the Republic of Indonesia for development and competition.

General Electric x SRE YOUTH IDEA COMPETITION - University (2021)

Participant

Conducting research on Utilizing research to reduce carbon levels in the air with environmentally friendly technology with the title "USE OF GERMANIUM-SILICON QUANTUM DOT BASED ON PLASMA-ENHANCED CHEMICAL VAPOR DEPOSITION (PECVD) TO INCREASE EFFICIENCY TO MAXIMIZE SOLAR CELL PERFORMANCE"
