Muhammad Haikal Fuady

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Profile

I am a Freshgraduated Computer Science Student at University of Ary Ginanjar. And has an interest and passion in Web Development in the Front-End with Bootstrap and Back-End with PHP Laravel, CI, Node.JS and Next.JS. I always try to be up to date in technological developments as much as possible.

Personal Details

Place & Date of Birth : Bekasi, 25 December 2001
Religion : Islam
Gender : Male
Country : Indonesia

Certifications

- Basic Organization and Leadership Training ESQ Business School, issued Oct 2020
- Oracle Academy "Award of Course Completion Java Foundations", issued Jan 2021
- Oracle Academy "Award of Course Completion Java Programming", issued June 2021
- Oracle Academy "Award of Course Completion Database Foundation Learners", issued June 2022
- Oracle Academy "Award of Course Completion Database Programming with SQL Learner", issued June 2022
- Basic programming as a software developer from Dicoding, issued Feb 2023
- Basic web programming from Dicoding, issued March 2023
- Basic JavaScript programming from Dicoding, issued March 2023
- Learn back-end app with google cloud for beginner by Dicoding, issued June 2023

- Menjadi Google Cloud Engineer by Dicoding, issued June 2023
- Google IT support, System Administration and IT insfrastructure service by Coursera certification, Issued April 2023
- Google cloud skill boost certification, issued June 2023

Education

- University of Ary Ginanjar. Bachelor's Degree Computer Science (2020 - 2024)
  - GPA 3.6 (in scale of 4)
  - Highest GPA (GPA: 3.90) 3rd semester
- Bangkit Academy led By Google, GoTo, Traveloka. Specialize on Cloud Computing (2023)
- Vocational School 4 Bekasi. Computer and Network Enginering (2017-2019)

Work Experiences

- **Full Stack Freelance Laravel Developer at Tomo Net** (Oct 2024 – Jan 2025). Develop an application for vehicle workshop management with 4 views (user, administrator, admin, and worker) the system runs with payment gateway, email and WhatsApp integration for client needs
- **IT Support & Website Management at PT. Mitra Intimarga** (Aug 2019 – Aug 2020) Manage all device on office, troubleshoot any problem at office related to computer, Create and manage company website also other link company's website using CMS WordPress.
- **Intern IT Staff at Universitas Mercu Buana** (2017 – 2018) Ensuring that the facilities and infrastructure for campus tools can be used properly, troubleshoot any problem related to IT

Project Experiences (https://hycallf.github.io)

- **Vehicle Workshop Management. Using Laravel, Midtrans, Wablast/Fonnte, Mailgun, MySQL**
  A website for vehicle workshop management
  Role in the project : As a full stack dev, create from scratch (database design, migration, controller, model, view, routes, middleware, etc) based on client needs
  Link source : https://github.com/hycallf/tomo-master (private)
  Link Demo : https://youtu.be/EsU1GLfUX74
- **TPA Management System. Using Flutter and Dart**
  an application for TPA/TPQ management, which has the function of storing the history of daily Al-Qur'an/Iqra readings today, and providing assessments and

making corrections to student readings, also administration feature
Role in the project : As a full stack dev, create from the scratch
Link source : https://github.com/hycallf/tpa (private)

- **Fakered (Fake review detector) bachelor thesis using phyton and node JS**
A website for fake review detection from user behavior specifically for electronic goods, using hyperparameter tuning for best optimization on every model, the process of use: the user will copy the review to the review checking column, then the user will select the machine learning model they want to use (Naive Bayes, Logistic regression, SVM, RFC, DTC, KNN, etc.) then the machine will detect whether the review is genuine or not.
Role in project : as a full stack dev, working on making model and integration on website
Link source : https://github.com/hycallf/fakered (private)

- **Web Prodi CS using Laravel 10**
The website serves to manage the activities of the academic community in the Computer Science study program.
Role in project : as a fullstack dev and scrum master assistant, working on creating database design, migration, model, middleware, controller, also create schedule on Trello and sometimes handle view (on progress learning Laravel in this project)
Link source : https://github.com/hycallf/CSWebsite (public)

- **DoM-EOR (Bangkit academy project) using Express JS, Kotlin, Phyton, and GCP**
app that simplifies the screening process to input reservoir characteristics, fluid properties, and operational constraints then evaluates different EOR methods based on these criteria and recommends the most suitable technique for a given reservoir for laboratory needs in the oil sector.
Role in project : Cloud Team, working on backend focus on authentication user, create infrastructure cloud using app engine, and cloud run using docker deploy backend API.
Link Source : https://github.com/hycallf/DOM-EoR (private)

- **Al Hanif Store (Inventory app) using PHP, Jquery and Bootstrap 4**
a web application designed to be used by store owners in managing their stores that have cashier features, stock management, and revenue monitoring
Role in project : as a Fullstack dev, and team leader
Link source : https://github.com/hycallf/Al-Hanif-Store (public)

- **Rage2Wars Game using Java Swing, MySQL**
A simple TCG like combine game similar to Pokemon TCG + YuGiOh, where each player will have 4 cards in hand and 20 cards in total in the deck, each card has a different attribute (scissors, rock, paper), and each card has an attack & defense point which will be used when our card wins/loses against the enemy card chosen

based on the Japanese suit rules.
Role in the project : provide game concept ideas to be designed, database design, direct other members, also contribute on develop deck modification, battle mechanism, in-game currency, and levelling system.
Link Source: https://github.com/hycallf/Rage2WarsGame (public)

- **Company Profile PT Mitra Intimarga using CMS Wordpress**
  Role in project : Create company profile website based on customer preference
  Link : https://ptmitra.com/
- **Company Profile PT Delta Myriad Teknologi using CMS Wordpress**
  Role in project : Create company profile website based on customer preference
  Link : http://dmt-id.net/
- **Company Profile PT Artha Bumi Harapan using CMS Wordpress**
  Role in project : Create company profile website based on customer preference
  Link : http://artha-bh.com/

Achievements

- Golden Generations Scholarship at University of Ary Ginanjar (2020)

Publications

- Rancang Bangun Aplikasi Inventori Barang Berbasis Web Menggunakan Model Waterfall Pada Toko Al-Hanif Store Jakarta
- Proses Re-Design User Interface Pada Website Rotten Tomatoes Menggunakan Heuristic Evaluation

Organizations Experiences

- **Coordinator of Documentation and Creative Media Division LDK Islamic Club**
  Directing and compiling member schedules for content creation on social media LDK IC and Providing creative ideas for content to be published

- **Member Game developer division on Golden Techno UKM**
  Participate on community to develop a game from scratch, based on curriculum university (using Java)

Skills

Computer and Programming Skills:

- Programming Concept : Basic Programming, Object Oriented Programming, Model View Controller Pattern, Repository Pattern
- Backend : Java, Node.JS, PHP, Python, Dart, Flutter
- Markup Language : HTML, CSS
- Script Language : Javascript, jQuery, AJAX
- CSS Framework : Bootstrap, Tailwind, Materialize

- Web Framework : Laravel, Codeigniter, React.JS, Express.JS, Next.JS
- DBMS : MySQL, Firebase
- Modelling Notation : Entity Relationship Diagram (ERD), Object Relational Mapping (ORM), Data Flow Diagram (DFD), Unified Modelling Language (UML).
- IDE : Intellij IDEA, Android Studio, Arduino
- Text Editor : Visual Studio Code
- VCS : Git, Github
- Operating System : Linux (ubuntu, debian), Microsoft Windows 10/11
- Design Tools: Adobe Photoshop, Adobe Illustrator, Figma, Canva
- SDLC: Agile Methodology, Scrum, Waterfall, Prototyping
- Office tools: MS Office
- Content Management System: WordPress, Blogger, WIX

Language Skill:
Native Indonesian, Intermediate in English both oral and written

Soft Skill:
Critical thinking, fast adaptation, teamwork and collaboration.

Personal Interest
Technology, Innovation, Reading, Listening, Table tennis