MOHAMMAD FADERIK 'IZZUL HAQ

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EDUCATION

Bachelor of Computer Science in Informatics Engineering　　Jun'19 - Expected Sep'23
Institut Teknologi Sepuluh Nopember (ITS), Surabaya, Indonesia　　**GPA 3.80/4.00**
- **Coursework:** Mobile Device Programming, Web Programming, Framework-based Programming, Software Design, Software Project Management, Software Architecture, Human and Computer Interaction, Robotic, etc.

PROFESSIONAL EXPERIENCE

Full Stack Engineer　　Sep'22 - Jan'23
Nayaka.ID – Software Agency　　Sidoarjo, Indonesia
- Developed and deploy market place mobile application for client called Digemari in Google Play Store in 3-person squad. Built the mobile app with Flutter and Laravel for managing the API to serving the mobile and web app.

Programmer Intern　　Jan'22 - Jul'22
PT. PLN Nusantara Power (Formerly PT. PJB) – BUMN on power plant industries　　Surabaya, Indonesia
- Analyzed best technology as a replacement for obsolete company monitoring website with Laravel Orchid and Camunda as workflow management.
- Joined team to build multiplatform mobile application (android & iOS) as a portal gate to company internal application with React Native.
- Created website for administrator of mobile app system with Laravel. Used for manage content inside mobile app and serving API to connect mobile app to the company's main API.

Robotics Programmer　　Sep'20 - Jul'22
IRIS ITS – Campus Robotics Team　　Surabaya, Indonesia
- Led a 8-person team to develop software-related job including robot algorithm.
- Designed and implemented web-based robot base-station with VueJS to monitor and control the robots for Online Indonesia Robotics Contest 2021 and led the team to gain most goals in competition.
- Improved container-based robot simulation with Gazebo and ROS on docker.

PROJECT EXPERIENCE

Dua Empat　　Mar'23 - Present
Android Developer – Personal Project　　Surabaya, Indonesia
- Launched board multiplayer game android application for 24 game and deployed it on Google Play Store. Innovated 24 game that can be played by multiple players, players given 4 random number and should find solution that produce number 24. Arranged game to be a poker-like game with point and leaderboard to make it competitive.

Ifinger　　Sep'22 - Jul'23
Android and Embedded Developer – Laboratorium MCI　　Surabaya, Indonesia
- Proposed Mobile application that can communicate with microcontroller inside *glucose* meter with Bluetooth connection.
- Developed an Android application using Java and XML, integrated with a microcontroller built with C++ on the Arduino IDE.

Waqfin　　Jul'22 - Sep'22
Android Developer – Freelance Client　　Surabaya, Indonesia
- Transformed client figma-designed Android application in 2-person team as a frontend developer using React Native and Laravel as simple API management server.
- Enabled users to donate waqaf with mobile Android app in a form of user interface flow.

Computer Based Test Application　　Jan'22 - Oct'22
Frontend Developer – Badan Kepegawaian Daerah Jawa Timur　　Surabaya, Indonesia
- Build web application in 3-person team using Laravel and Tailwind CSS.
- Organized and implemented a Moodle-like user interface that allowed users from Badan Kepegawaian Daerah Jawa Timur to take the psychological test on the web.

AWARDS AND HONORS

- Delegated as IRIS Team on RoboCup 2022 Middle Size League; Annually International Wheeled Soccer Robot Competition in Bangkok, Thailand and Achieved 3rd place on RoboCup 2022 MSL category.
- Awarded 1st place on Onsite Indonesia Robotics Contest 2022, Wheeled Soccer Robot division.
- Awarded 2nd place on Online Indonesia Robotics Contest 2021, Wheeled Soccer Robot division.
- Awarded 1st place on Online Indonesia Robotics Contest 2020, Wheeled Soccer Robot division.
- Member of PKM-PM Team in Pekan Ilmiah Mahasiswa Nasional (PIMNAS) 34 by Kemdikbud, 2021.

SKILLS

- **Hard Skills:** Mobile Development (Java, Kotlin, Flutter, React-Native) • Website Development (HTML, CSS, JS, ReactJS, TS, NextJS, VueJS, PHP, Laravel, ElectronJS) • DevOps Engineering (Docker, Linux Shell, Nginx, Apache) • Database (MySQL, SQLite, PostgreSQL) • Programming Languages & Tools (Python, C/C++, ROS, Gazebo, Postman, Figma, Expo) • Project Management Tools (Jira, Trello, Github Projects)
- **Soft Skills:** Project Management • Fast Learning