

HESA FIRDAUS

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[LinkedIn](#) | [GitHub](#) | [Google Cloud Skills Boost](#) | [responsive-personal-portfolio-web-Hesa](#)

I am a dedicated Software Developer with a strong focus on Full-Stack Web Development, particularly in **Back-End Technology using JavaScript frameworks such as Node.js, Express.js, and Hapi.js**. I have expertise in creating various Back-End services, including **RESTful APIs and GraphQL**, and possess knowledge of both **SQL and NoSQL databases**, including **MySQL, PostgreSQL, MongoDB, and Firebase**. Additionally, I am skilled in **Front-End Web development using technologies like Bootstrap, Tailwind, and React.js**. I am currently deepening my knowledge in **Data Science** through **intensive certification courses from institutions like Google, Microsoft, and Dicoding**.

Initially pursuing an undergraduate degree in Development Economics at Trunojoyo University, recognizing the importance of aligning my education with my interests, **I transitioned to the Informatics Engineering Distance Education Study Program at the Polytechnic Electronics State of Surabaya**. This move reflects my commitment to gaining a formal education in IT, ensuring that my skills and enthusiasm for the field are supported by a structured academic foundation.

Professional Experiences

Hackfest 2024 Team Project | Hackathon by GDSC Indonesia [Dec 2023 – Jan 2024]

- We Developing an Automated Essay Scoring Mobile Application designed to streamline the teaching and learning process in educational institutions. The app allows teachers to create questions, enabling students to submit essay answers that are automatically graded by an AI model, providing feedback, scores, and improvement suggestions.
- Responsible for creating the Business Model, UI Design, and Google Cloud Engineer for Deployment.
- Development using Kotlin (Android), TensorFlow, Go-lang, Cloud Run, App Engine, Cloud SQL, Firebase, Cloud Storage.

Freelance UX Researcher & Web Design | PT. Abota Steel [Feb 2023 – May 2023]
Surabaya, Jawa Timur, Indonesia – Full Remote

- Redesigned the company profile landing page with a focus on adding and improving content layout, as well as implementing the use of responsive web design (Mobile Friendly).
- Apply several methods related to User Experience development such as How-Might-We, Ideation, Affinity Diagram, and Prioritization Matrix to optimize landing page content and support business strategy development.

Freelance Web Developer | CV. Solution Laptop Service Sidoarjo [Dec 2022 – May 2023]
Sidoarjo, Jawa Timur, Indonesia – Full Remote

- Collaborate with a team that includes 3 members to develop a web-based business platform that includes Admin Dashboard, Partner Dashboard, and Customer Dashboard to optimize business enterprise resource planning systems (ERP) such as Sales, Inventory, Accounting, etc.
- Responsible for developing UI & UX Design Apps and helping the team to implement design into programming languages such as Bootstrap V.5 and Laravel V.8.
- Implement the Software Development Life Cycle (SDLC) using the Waterfall Model.

Internship Digital Creative | Universitas Trunojoyo Madura

[Jun 2022 – Nov 2022]

Fakultas Ekonomi dan Bisnis, Madura, Jawa Timur, Indonesia – On Site

- Joined the PDD Committee for collaborative events between the Indonesian Ministry of Finance and the Faculty, contributed to live streaming and video editing for documentation purposes.
- Collaborate with team to Produce multimedia content that includes 100+ village profile videos to highlight the advantages of the village to attract student interest in village service initiatives and a video profile of the Faculty of Economics and Business - Trunojoyo University to support student recruitment efforts.

Bootcamp & Training Scholarship Experiences

Samsung Innovation Campus | IoT & AI Developer

[Feb 2024 – May 2024]

- Samsung Innovation Campus is a global Information and Communication Technology (ICT) education program for the younger generation. The younger generation to equipped with “soft skills” and technical skills that include Coding & Programming (Python and C++), Cloud, IoT, and AI.
- IoT Simulator Project Development with Wokwi using ESP-32 for Microcontrollers. This assignment is individualized to meet the assessment needs of participants towards the end of the training. I created a simple LED light that can be On/Off using MQTT Broker and DHT-22 & PIR Motion Sensor to detect objects through hot objects.

Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka | Cloud Computing

[Aug 2023 – Jan 2024]

- Bangkit is a career readiness program designed by Google with full support from GoTo, Traveloka and DeepTech Foundation. This program is also part of Kampus Merdeka - Studi Independen Bersertifikat.
- Completed and studied courses on Google Cloud Platform Services, Google IT Support, Fundamentals of Web Programming, Basics of JavaScript, Learning to Build Beginner Back-End Applications with Google Cloud, Becoming a Google Cloud Engineer, and Associate Cloud Engineer Exam Simulations.
- Served as the Team Lead for the Capstone project "Nurtur" an application designed to support mental health for Baby Blues Syndrome.

Fresh Graduate Academy – KOMINFO RI | Google Data Analytics Professional Certificate

[May 2024 – Jul 2024] Present

- This program paves the way for a career in Data Analysis, which is the critical process of collecting, transforming and structuring data to gain insights, make predictions and support effective decision making.

Microsoft x Prakerja – Talenta AI Indonesia | PL-300 Microsoft Power BI Data Analyst Certification
[Apr 2024 – Jul 2024] Present

- Deliver actionable insights by working with available data, methods, and best practices that align with business and technical requirements for modeling, visualizing, and analyzing data with Microsoft Power BI.

Projects

- Mental Health Solutions Application for Baby Blues Syndrome – Android Mobile App – ([link](#))
- Automated Essay Scoring Application – Android Mobile App – ([link](#))
- IoT Simulator Project with Wokwi using ESP32 for Microcontroller – Simple LED and DHT22 & PIR Motion Sensor – ([link](#))
- Web Design – Landing Page Company Profile – ([link](#))
- Image Classification Rock_Paper_Scissors – Machine Learning using Tensorflow & Keras
- Notes App – Based on Web using React.js
- Data Management Application Using DOM and Web Storage – Front End Web using HTML, CSS & JavaScript
- Bookshelf API – Back End Services (CRUD) using Node.js
- Develop Web Server using Node.js & NGINX

Education

POLITEKNIK ELEKTRONIKA NEGERI SURABAYA – Surabaya, Jawa Timur [Starting Aug 2024]
Informatics Engineering (Distance Education)

UNIVERSITAS TRUNOJOYO MADURA – Madura, Jawa Timur [2021 - 2023]
Development Economics, GPA 3.34/4.00

- **Monetary and Banking Laboratory Assistant – Back Office Department**
[Aug 2022 – Des 2022]
 - Responsible for managing Information Technology support, including Multimedia Content and Social Media Management, to ensure optimal service delivery to customers.

Credentials & Certification

- Google IT Support Professional Certificate – ([Link](#))