

ROYAN FARID FATHURRAHMAN

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Semarang, Central Java, Indonesia

Frontend Engineer with professional experience in web application development, UI implementation, and API integration. Proficient in Next.js, React, TypeScript, and modern frontend technologies, with a focus on component-based architecture, reusable components, and maintainable code. Experienced in collaborating with UI/UX designers and backend developers to translate requirements into functional and user-friendly interfaces. Holds a Bachelor's degree in Computer Science and is pursuing a Master's degree in Computer Science, with additional academic interests in Machine Learning and Artificial Intelligence.

Work Experiences

PT. PLN (Persero) Pusat Manajemen Proyek (PUSMANPRO) - **Semarang, Central Java, Indonesia** Nov 2024 - Oct 2026

Front-End Engineer - Contract

- Contributed to the development and maintenance of SIMPP Ultimate as part of the Digital Project Team (DPT) at the Project Management Center (PUSMANPRO), focusing on frontend implementation and cross-functional collaboration
- Collaborated with UI/UX designers to translate design specifications into responsive and consistent user interfaces
- Worked with backend developers to integrate REST APIs and handle asynchronous data fetching using React Query (TanStack Query)
- Developed reusable UI components using Next.js, React, TypeScript, Tailwind CSS, and shadcn/ui
- Implemented form handling and validation using React Hook Form and Yup, and managed application state using Zustand
- Developed interactive components, including modals, and implemented multilingual interfaces using i18n
- Implemented PDF generation and document handling using pdfmake, pdf-lib, and html2pdf, and integrated rich-text editing functionality with TinyMCE
- Maintained clean, readable, and reusable code in accordance with established frontend coding standards and best practices
- Debugged frontend issues and collaborated with cross-functional teams to align implementation with design specifications and functional requirements

Apotek Damar Waras - **Semarang, Central Java, Indonesia** Nov 2024 - Feb 2025

Front-End Developer - Freelance

- Developed Pharma Cash, a desktop-based Point of Sale (POS) application designed to support pharmacy operations, with a focus on frontend development and user interface design
- Developed the frontend of the Pharma Cash desktop application using Electron.js and Tailwind CSS, creating an interactive interface tailored to pharmacy operations
- Designed the application's UI/UX to provide an intuitive and user-friendly experience for daily transactions and related workflows

PT. Evolusi Bisnis Digital - **West Jakarta, Indonesia** Dec 2023 - Aug 2024

Web Programmer & UI/UX Designer - Contract

A digital technology company with services focused on Machine Learning, Fintech, Biometrics, and Cross-Border Payments.

- Contributed to the development of digital banking web platforms, including projects for Bank Victoria, through frontend development, UI/UX design, and project documentation
- Developed frontend interfaces for banking web applications using React.js
- Collaborated with backend developers to integrate APIs and implement responsive user interfaces
- Designed UI/UX for web and mobile platforms, translating requirements into interface designs
- Prepared meeting minutes (MoM) and documented discussion outcomes during client meetings
- Prepared test scripts to support System Integration Testing (SIT), User Acceptance Testing (UAT), and TO activities

PT. Total Indo Bangunusa - **Semarang, Central Java, Indonesia** Jul 2023 - Oct 2023

Front-End Developer - Freelance

- Developed SIMAKPRO, a web-based Project Management System for PT Total Indo Bangunusa, as part of an undergraduate thesis project focused on developing a software solution for contractor project management
- Developed the frontend of SIMAKPRO using React.js, implementing interactive interfaces to support project management workflows
- Designed and implemented UI/UX to improve usability and provide an intuitive user experience aligned with the company's project management needs
- Translated project requirements into functional frontend components, emphasizing usability, maintainability, and business needs

Education

SMA Negeri 3 Demak - **Demak, Jawa Tengah** Jul 2017 - May 2020

Senior High School, Mathematics and Natural Sciences, 89.00/100.00

- Extracurricular activity: Chess Club.

Universitas Dian Nuswantoro - Semarang, Jawa Tengah — Sep 2020 - Feb 2024

Bachelor of Computer Science, 3.73/4.00

- IPTEK Division - Himpunan Mahasiswa Teknik Informatika (HMTI)
- Web Division, Basic Training for Next Generation (BTNG) 2020, Dian Nuswantoro Computer Club (DNCC)
- Kampus Merdeka Program: Kredensial Mikro Mahasiswa Indonesia (KMMI) Social Network in R, Sadasa Academy
- Kampus Merdeka Program: Studi Independen Bersertifikat (SIB) Web Developer, Hacktiv8
- KOMINFO Program: Digital Talent Scholarship Fresh Graduate Academy (DTS FGA) Big Data using Python, Cisco Networking Academy
- Kampus Merdeka Program: Studi Independen Bersertifikat (SIB) Skilvul Tech4Impact Front-End Web Development, Skilvul

Universitas Dian Nuswantoro - Semarang, Jawa Tengah — Mar 2025

Master of Computer Science, 4.00/4.00

- Relevant coursework: Machine Learning, Artificial Intelligence, and Computer Vision.

Additional Experience & Development

Himpunan Mahasiswa Teknik Informatika (HMTI) - Semarang, Jawa Tengah — Nov 2020 - Jun 2021

Information Technology (IPTEK) Division

- Participated in technical and soft-skills development activities, webinars, and knowledge-sharing sessions.
- Served on the registration committee for the 2021 National Informatics Engineering Seminar (SEMNASTI).

Dian Nuswantoro Computer Club (DNCC) - Semarang, Jawa Tengah — Oct 2020 - Jan 2021

Web Division Member

- Participated in the Web Division's Basic Training for Next Generation (BTNG) 2020

PT. Sadasa Akademi Indonesia (Sadasa Academy) - Online — Jul 2021 - Sep 2021

Kredensial Mikro Mahasiswa Indonesia (KMMI) Social Network in R (Bootcamp)

- Studied R programming, social network analysis, centrality, modularity, and graph visualization using igraph and Gephi.
- Completed a sentiment analysis project on Instagram comments concerning the reduction of PCR test prices.

PT. Hacktivate Teknologi Indonesia (Hacktiv8) - Online — Aug 2022 - Dec 2022

Kampus Merdeka Studi Independen Bersertifikat (SIB) - Web Developer Program (Bootcamp)

- Studied responsive web development, JavaScript fundamentals, asynchronous programming, API integration, DOM manipulation, and jQuery.
- Developed projects including business landing pages, a COVID-19 tracker, and a weather forecast website.

Fresh Graduate Academy (FGA) Digital Talent Scholarship (DTS) KOMINFO - Online — Jul 2022 - Aug 2022

Big Data Using Python (Bootcamp)

Kominfo program, in collaboration with Universitas Dian Nuswantoro and Cisco Networking Academy as a partner

- Studied Python programming, data processing, object-oriented programming, modules, packages, and GUI development with Tkinter
- Explored introductory applications of Machine Learning, Internet of Things (IoT), and data analysis using Python

PT Impactbyte Teknologi Edukasi (Skilvul) - Online — Feb 2023 - Jun 2023

Kampus Merdeka Studi Independen Bersertifikat (SIB) - Skilvul Tech4Impact: Front-End Development (Bootcamp)

- Applied Design Thinking principles to product development and used Figma to create wireframes, user flows, UI designs, and prototypes.
- Studied JavaScript and React.js, including React Hooks, React Router, state management with Redux and Context API, and API integration using Axios and Fetch.
- Collaborated in a five-member team comprising three frontend developers and two backend developers to develop EarthCare, a climate-crisis awareness website.
- Recognized as one of 10 mentees receiving the Completion with Honor distinction.

Camp404 - Online — Jan 2023 - Mar 2023

React.js Web Programming

- Studied React.js fundamentals and component-based web development

Syntaxnesia Professional Training Center - Online — Nov 2025

Short Course of Web Developer (CAWD)

- Completed web development training and earned the Certified Associate Web Developer (CAWD) title
- Studied Laravel and covered competencies including debugging, User Acceptance Testing (UAT), SQL, library and framework identification, software scalability analysis, and programming algorithms

Skills, Achievements & Other Experience

- **Languages**: Indonesian (Professional Proficiency), English (Limited Working Proficiency)
- **Professional Skills**: Analytical Thinking, Problem-Solving, Team Collaboration, Communication, Time Management, Adaptability, and Accountability
- **Programming Languages**: HTML5, CSS3, PHP, Python, SQL, JavaScript, TypeScript
- **Frontend Development**: React.js, Next.js, Vue.js, Electron.js, Tailwind CSS, Bootstrap
- **Backend & Frameworks**: Laravel and Flask
- **API Integration & Tools**: REST API, Axios, Fetch API, Git, Postman, Jira
- **UI/UX & Design**: Figma and Canva
- **Pharma Cash - Desktop Point of Sale Application** (2025): Contributed to frontend development for a desktop-based point-of-sale application for Apotek Damar Waras using Electron.js
- **Media Literasi Digital (MELIDI) Website** (2025): Developed frontend functionality for a digital learning platform designed for elementary school students using React.js
- **Image Enhancement: Overexposed and Underexposed Images** (2025): Developed a web-based image enhancement system using a Machine Learning approach, with Flask for the backend and React.js for the frontend
- **DigiOps - Bank Victoria** (2024): Contributed to frontend development and feature implementation for a banking web application using React.js
- **SIMAKPRO - Construction Material Transaction Management Website** (2023): Developed a web-based transaction management application for contractors using React.js, Bootstrap, React Context, React Query, and Formik
- **NgeGameYok - Game Listing Website** (2024): Developed a game listing website using Vue.js, TypeScript, Tailwind CSS, and Pinia, integrating the RAWG video game database API
- **EarthCare - Climate Crisis Awareness Website** (2023): Collaborated with a five-member development team to build a climate-crisis awareness website using React.js and React Context
- **Mini Projects**: Portfolio Website, To-Do List Website, iWeather, BMI Calculator, Age Calculator, COVID-19 Tracker, Business Profile Landing Page, Service Business Landing Page, and Quiz Website