MUHAMMAD RAFI SHIDIQ

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ABOUT ME

Front-end/Full Stack Web Developer, System Analyst, UI/UX Designer

A motivated Computer Science graduate with a strong passion for Information Technology (IT). My core expertise lies in front-end web development, where I specialize in JavaScript, React, and Next.js, complemented by skills in backend development, API integration, and databases (SQL/NoSQL). With experience as a system analyst, I excel at analyzing business needs and translating them into effective technological solutions, encompassing system design (UI/UX and technical documentation), integration, and IT-driven process improvements. I am committed to delivering user-focused, functional, and visually appealing applications while staying current with the latest technologies and industry practices. Equipped with leadership and project management skills, I thrive in team coordination, setting milestones, and mentoring others for success, making me eager to contribute to dynamic, collaborative environments.

EDUCATION

INDONESIA UNIVERSITY OF EDUCATION (UPI)   Bandung, West Java, Indonesia
Bachelor of Computer Science (S.Kom.)   2020 – 2024
GPA: 3.85/4.00
Developed strong foundation in programming, covering algorithms, object-oriented programming (OOP), databases, and web development. Assistant lecturer and involved to some projects with team and lecturer.
- GDSC UPI member: Active in projects collaboration, attending workshops, and enhancing skills in web development and cloud computing.
- OSTRIC: Tutor for web development and cloud computing, mentoring students, providing hands-on guidance, and contributing to a collaborative learning environment.
- Various competition: UI/UX GEMASTIK XV 2022, DINAMIK 18 computer programming competition (CP), COMFEST cyber security competition (CTF), and others.

EXPERIENCES

TELKOM INDONESIA TBK   September 2023 – December 2023
System Analyst, Intern
Assisted in the development of two projects: an HR web application for managing employee processes, such as tenure tracking and recruitment, and a Project Management & Proposal System to streamline project creation, approvals, and role assignments.
- Acted as a mediator between stakeholders and the development team to align business needs with technical implementation, from analysis, design, to coding/development.
- Collaborated closely with development teams (project manager, front-end & back-end web developers, dev-ops, and data) to translate business needs into system features.
- Making user stories, use cases, system specifications (Flowchart and ERD), and design interfaces (UI/UX).

BANGKIT ACADEMY LED BY GOOGLE, GOJEK, TOKOPEDIA, & TRAVELOKA   February 2023 – July 2023
Cloud Computing, MSIB Kampus Merdeka 2023, Distinction Graduated
Completed several courses related to cloud and backend development. I have also undergone training in soft skills. In addition, I have successfully completed numerous projects, both individually and as part of a team. All of my classes and training were conducted entirely in English. I also graduated with distinction honored.
- Gained proficiency in web development fundamentals, JavaScript, creating back-end applications with GoogleCloud, and becoming a Google Cloud Engineer.
- Completed several projects, such as creating responsive websites, UI/UX design, developing backend REST APIs, and deploying applications on the Google Cloud Platform.
- Successfully completed capstone project based as co-leader, overseeing cloud environment, backend app, data, and AI/machine learning.

ASSISTANT LECTURER   2022 – 2023
Computer Networking and Software Development
Been responsible for curriculum design, teaching practical sessions for over 50 UPI students, and managing laboratory

maintenance. Additionally, supervised the Dinamik UPI competition (programming & computer networking) at the high school level, while also facilitating software development tutorials covering the Software Development Life Cycle (SDLC).

LATEST PROJECTS

- [Vue AI Chatbot](#): An interactive chatbot allows users to engage in natural conversations like ChatGPT. Powered by Language Model DeepSeek V3. The application features a dynamic chat interface, with real-time responses from the AI and a simple yet efficient design. Built with Vue, Vite, and Tailwind.
- [Personal Store](#) : A full-stack personal store web app for selling website development services, featuring Google OAuth 2.0, a dashboard, payment gateway, and AI integration. Built with React.js, Next.js, Tailwind, Express, and Supabase. Currently still in development.
- [Nutriast: Health Monitoring and Cardiovascular Prediction](#) A collaborative mobile and full-stack web-app for health monitoring and disease prediction using machine learning. Developed by a team of six (3 full-stack/DevOps, 2 ML engineers, 1 mobile developer), leverages Google Cloud Architectures such as cloud run and bucket. Built using Typescript, Next, React, Tailwind, Express, MongoDB, Tensorflow.js, IPython, Flask Python.
- [Gamified Learning App with Bayesian Knowledge Tracing](#): A full-stack web based learning app to make TOEFL preparation engaging and adaptive. Built with Next, React, Express, MongoDB, Tailwind, Zustand. Featured with a lot game mechanics & system admin. Integrated with AI/machine learning algorithm for personalized learning.
- [Shiroplane Artworks Gallery](#): A full-stack web application to show drawing portfolio that visually engaging and fully responsive across all devices. Built using React, Tailwind, Express, MongoDB, Cloudinary, Google Captcha, and Email.js. Developed end-to-end, covered the complete SDLC, from UI/UX design to deployment.
- Other projects in my [personal website](#) and [GitHub repositories](#).

CERTIFICATIONS

[Associate Cloud Engineer](#) – *Google certificate by Google Cloud.*

[Google IT Support Professional](#) – *Google certificate by Coursera.*

[Menjadi Cloud Engineer](#), [Belajar Membuat Aplikasi Back-End Untuk Pemula Dengan Google Cloud](#), [Belajar Dasar Pemrograman JavaScript](#), [Belajar Dasar Pemrograman Web](#), [Pengenalan Ke Logika Pemrograman](#), [Memulai Dasar Pemrograman Untuk Menjadi Pengembang Software](#) – *Certificates by Dicoding.*

SKILLS

Technical Skills: Focused on React, Next, Node.js, Vue, Tailwind, Bootstrap, and other frameworks or libraries. Knowledge in Server/Back-end development include Express.js, Supabase, Postman, Rest API and integration. Both MySQL/NoSQL (MongoDB) database. UI/UX design & prototyping using Figma. Excellent at HTML, CSS, SASS, JavaScript, and PHP. Familiar with Typescript, Laravel, and Google Cloud Platform. Also had experienced on AI/Machine Learning Python and Mobile Programming Flutter and other OOP Languages like Java or C/C++.
Soft Skills: Critical & Analytical Thinking, Communication, Adaptability, Project Management, Leadership.
Other Skills: SDLC, Scrum, Data Analysis & Visualization, Microsoft Office, GitHub, Miro.
Languages: Bahasa as origin and conversational in English.