

Rizqi Bhamaryuda

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ABOUT

Information Technology graduate with a strong background in web development, digital administration, and technical team leadership. Proven track record of directing a 109-member cross-functional team, coordinating IT infrastructure, and deploying end-to-end web platforms. Adept at bridging technical execution with structured operations management to drive organizational efficiency.

EXPERIENCES AND ORGANIZATIONS

Internet of Things (IoT) Laboratory Telkom University

Bandung

Coordinator of Laboratory Assistants

Oct. 2025 – June 2026

- Utilized operations management and KPI-based performance evaluation for 109 laboratory assistants, ensuring smooth cross-divisional execution.
- Leveraged stakeholder management and strategic communication as a faculty-student liaison, accelerating decision-making and academic alignment.
- Spearheaded digital transformation by deploying Microsoft 365 and Adobe Creative Cloud, centralizing assets to enhance cloud collaboration.
- Applied project management and team leadership to implement structured tasks, minimizing blockers and optimizing productivity.
- Enforced process standardization and SOP development for digital administration, achieving 100% compliance with faculty standards.

Coordinator of Multimedia, Laboratory Assistant

Apr. 2025 – Oct. 2025

- Led the laboratory's visual rebranding and apparel design, managing vendor production to establish a unified institutional identity.
- Applied operations management and crisis leadership during coordinator absences, ensuring 100% workflow continuity and administrative stability.
- Utilized rapid prototyping and CAD modeling to fabricate customized 3D-printed enclosures, enhancing hardware protection for 3+ IoT projects.
- Provided team mentorship regarding optimized design workflows to interns, accelerating their readiness for active laboratory operations.

Member of Publication and Documentation (Pubdok), Laboratory Member

Apr. 2024 – Mar. 2025

- Applied circuit design and embedded systems engineering to build NodeMCU-based light sensors, optimizing real-time hardware responsiveness.
- Utilized multimedia production and graphic design to deliver technical assets for faculty and events, streamlining operational workflows.
- Leveraged visual design and brand identity to execute the laboratory logo redesign, establishing a modernized look across platforms.

Center of Excellence Human Centric (HUMIC) Engineering

Bandung

Multimedia Designer Lead Team and UI Designer

Sep. 2024 – Dec. 2024

- Involved in the committee for the 4th International Conference on Intelligent Cybernetics Technology & Applications (ICICyTA) 2024's event to manage the production of various physical promotional materials to create a memorable conference experience.
- Led coordination for a 4-member team by monitoring project progress and managing centralized digital workflows across Microsoft 365 and Google Workspace to ensure seamless collaboration.
- Coordinated with the Field Supervisor and team members to ensure that assignments are given in detail and clearly to match the orders and objectives.
- Redesigned the UI of the HUMIC Engineering website using Figma.

Center of Excellence for Technological Society (CAATIS)

Bandung

Team Leader Social Media of E-Selamat (Information Technology For Society)

May 2024 – June 2024

- Managed a 4-member team by strategically delegating tasks based on individual expertise using Google Spreadsheet, serving as the primary point of contact for guidance, and troubleshooting for managing Instagram content and monitoring the condition of the media team.

PROJECTS AND PATENTS

Decentralized Game Leaderboard

Rise In, Bandung

Full-Stack Web3 Developer | Top 5 Best Project Award

Apr. 2026

- Developed a decentralized smart contract on the Stellar Blockchain using Rust and Soroban SDK to securely record and retrieve immutable game scores.
- Built a Web3 frontend utilizing React, TypeScript, and Tailwind CSS, integrated with Freightier Wallet for user authentication and transaction signing.

Warung Mamcis

Jakarta

Technical Writer and Quality Assurance

Sep. 2025 – Jan. 2026

- Collaborated in a cross-functional team to develop an e-commerce platform using React.js and Laravel and integrated Midtrans payment gateway for secure and seamless transaction processing.
- Led Quality Assurance testing and authored comprehensive technical documentation to ensure system reliability.

Sea Turtle Egg Incubation Monitoring Tool

Pantai Pelangi, Parangtritis, Yogyakarta

Hardware Enclosure Designer | Registered Patent

May 2025 – Oct. 2025

- Designed and manufactured custom protective enclosures for IoT monitoring devices utilizing 3D modeling (PrusaSlicer) and filament 3D printing (Mingda Magician X2) technologies.
- Deployed the hardware solutions in coastal environments to ensure the durability of IoT sensors for turtle conservation efforts.

Real-Time Humidity and Temperature Detector

Bandung

Hardware Enclosure Designer

2025

- Designed and fabricated custom hardware enclosures to protect NodeMCU boards and environmental sensors.
- Utilized 3D modeling and printing technologies to ensure the durability and optimal placement of internal IoT components for real-time data monitoring.

NodeMCU-Based Smart Light Control System

Bandung

Project Manager and System Designer

May 2024 – Dec. 2024

- Led the end-to-end development of an automated smart lamp IoT system utilizing NodeMCU microcontrollers.
- Designed the system architecture and managed project timelines, ensuring the successful integration of ambient light sensors for dynamic intensity control.

PUBLICATIONS

LightGBM with Class Weights for Solving Imbalance in NLP-Based URL Phishing Detection

2026

Rizqi Bhamaryuda, Aji Gautama Putrada, Febri Dawani

Brute Force Attack Detection on IoT Networks Using Machine Learning Algorithms Based on CICIoT2023 Dataset

2026

Rizqi Bhamaryuda, Aji Gautama Putrada, Febri Dawani

EDUCATION

Telkom University

Bandung, Indonesia

Bachelor of Information Technology - S.Kom, School of Computing

Sep. 2022 – May 2026

- GPA: 3.43
- Awarded Top Graduate with the Highest Student Activity Score (TAK) across the School of Computing

SKILLS

Languages: Bahasa Indonesia (Native), English (Limited Working Proficiency)

Information Technology: React, Next.js, Tailwind CSS, Laravel, Go, Bootstrap, Render, Python, C++, Golang, Supabase, Vercel, Cloudflare

Tools and Technical: Google Workspace, Microsoft 365, Google Apps Script, Flowchart, GitHub, Gemini, ChatGPT