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📍 South Jakarta, Indonesia

Riki Awal Syahputra

Software Engineer | Blockchain Enthusiast

SUMMARY

I am a dynamic Software Engineer with expertise in the MERN stack, blockchain technology, and IoT innovation. I specialize in crafting AI-integrated web apps, automating IoT systems, and leading impactful projects that drive measurable results.

SKILLS

Core Web Development

- **NextJs** – (OAuth, Sanity, Sentry)
- **MERN Stack** (MongoDB, Express.js, React, Node.js)
- **JavaScript** (ES6+), Redux, Tailwind CSS, SASS, Bootstrap, jQuery

Blockchain & Web3

- Solidity, EVM, Smart Contracts, dApps Development

IoT & Electronics

- IoT System Design, Robotics, Embedded Systems, Ngrok, HTTP, WebSockets

Desktop & Software Development

- **Java** (Java Swing, AES Encryption, Apache POI, Maven, Gradle)
- **Cross-platform development**, packaging executables with **Launch4j**.

Tools & Platforms

- Git, Figma, Docker, Eagle, Autodesk Fusion 360, & AutoCAD
- Project Management, 3D Design & Printing

EXPERIENCE

Technical Developer – Part Time

GDGOC Binus International – Google Community

09/2024 - Present

- Crafting the event content of Google Event as a representative from Binus International (Google Technology)

Software Engineer – Full Time

Qualifin.id - PT Ikigai Sukses Berjaya

09/2024 - Present

- Designed and developed dynamic web solutions, improving client retention by 25%.
- Streamlined IT infrastructure and optimized server management.

Software Engineer | Aerospace Division – Part-Time

Robotics Team University of Indonesia

06/2023 - Present

- Enhanced flight software for aerospace projects, improving data transmission accuracy by 15%.
- Mentored team members in microcontroller programming and embedded systems.

Software Engineer – Internship

IDX Partner

04/2023 - 07/2023

- Developed APIs to enable seamless customer integration, reducing manual processes by 20%.

Project Manager

Sibertren.id

09/2021 - 01/2023

- Led strategic initiatives, aligning projects with company goals, resulting in a 30% revenue increase.
- Coordinated high-impact cyber education initiatives, achieving flawless project delivery.
- Delivered engaging presentations, ensuring alignment with emerging market trends.
- Validated product-market fit, leading to a 20% improvement in user adoption.

Project Officer – COSNOTECH

Android Community

02/2022 - 04/2022

- Designed a risk management framework, reducing project duration by 1 month and saving 9% of costs.
- Led feasibility assessments to maximize project efficiency and success.

LANGUAGES

Indonesia	Native
English	Fluent
German	Basic

EDUCATION

Computer Science with Artificial Intelligent | 2028
Nottingham University, UK

Computer Science | 2028
Binus University International

IT-Professional Program | 2023
University of Indonesia - CCIT

Industrial Electronics Engineering | 2021
SMKN 1 Karawang (Vocation)

- GPA: 9.0 | Accreditation: A
- Key Projects: Automated Hydroponics System, **recognized** as one of Indonesia's **Top 100 Innovations**.
- Awards:
 - **1st Place, Toyota Indonesia** Innovation Technology Competition (2020).
 - **3rd Place, Airlangga University** National Scientific Writing Competition (2020).government in Bandung.

Science | 2018
Al-Irsyad Karawang (Junior High School)

Activities and community involvement:

- Key Achievements:
 - **1st Place** in the School-Level Science Exhibition.
 - Competed in **Robotics Competitions** (TSB, ITENAS, and IIF International).
- Activities:
 - Robotics Club Member, gaining expertise in robot programming and design (*Atmel, C++, AVR*).

Head of Engineering
Technopark Nekar
08/2018 - 07/2021

- Directed cutting-edge innovation projects, including IoT-driven hydroponics and hexapod robotics.
- Automated 70% of hydroponic farming processes, earning "**Best Technology**" recognition by **Toyota**.

IoT Engineer - Research Fellowship
PPTIK-ITB (Bandung Institute of Technology)
09/2020 - 11/2020

- Developed IoT devices and enriched AI face recognition datasets through cutting-edge research.
- Delivered IoT solutions with enhanced functionality, contributing to practical real-world applications.

Manufacturing Engineering Intern
PT. Astra Nippon Gasket Indonesia
07/2019 - 09/2019

- Supported production line optimization in human-robot collaboration, improving operational efficiency.
- Contributed to quality control processes, ensuring smooth and accurate production workflows.

ACHIEVEMENT

- 3rd Winner National Scientific Writing and Research (Maritime Problem Solving) (2020)
- 1st Winner of Innovation Technology Competition TICA/AKTI by Toyota (2020)
- 6th best IoT Innovation Tech. West Java Province (2019)
- 1st Winner Science Innovation (2017)

CERTIFICATION

- Frontend Development Libraries - FreeCodeCamp
[<https://bit.ly/FrontEndLibraries-FCC>] 11/2024 – Present
- JavaScript Algorithms & Data Structures - FreeCodeCamp
[<https://bit.ly/JsAlgoDs-FCC>] 10/2024 – Present
- Responsive Web Design - FreeCodeCamp
[<https://bit.ly/RespWeb-FCC>] 10/2024 – Present
- JavaScript Mastery - Udemy
[<https://bit.ly/JS-Mastery>] 10/2024 – Present
- Software Engineering - NIIT
[<https://bit.ly/3woV9BD>] 02/2024 – Present
- Blockchain Developer - Blockchain Council
[<https://bit.ly/3rAZtve>] 05/2023 – Present
- CCNA IoT – Cisco NetAcad (Course Completion)
[<https://bit.ly/3UB4v78>] 11/2023 – Present
- IoT Specialization – Cisco Networking Academy
Connecting Things, Big Data & Analytics, and Security
[https://linktr.ee/riki_IoTF] 01/2023 – Present
- IT Professional – CCIT FTUI
[<https://bit.ly/4btWirp>] 11/2023 – Present
- Industrial Electronic Control System – PT. Fuji Technica Indonesia
[<https://bit.ly/3tksplz>] 12/2020 – Present
- Microcontroller – MyRobo
[<https://bit.ly/3UxCLjK>] 07/2017 – Present

PROJECT

[<https://github.com/Qtyuzet>]

Full stack	Mini	Electronics & Research Related
<ul style="list-style-type: none"> MERN – Persona (https://github.com/Qtyuzet/mern-persona) MERN – Altera (https://github.com/Qtyuzet/mern-altera) TETARA – Layer 1 Blockchain Network (R&D) (https://bit.ly/3KWmTBp) ENCRYPTO Software - .docx cryptographer (https://bit.ly/3xu2Y9K) QGPT –GPT 3.5 Powered Telegram Chat Bot (https://bit.ly/3tfr3Kd) 	<ul style="list-style-type: none"> NoteApp – React & Tailwind (https://github.com/Qtyuzet/react-tailwind-noteapp) Markdown Previewer – React & Tailwind (https://github.com/Qtyuzet/react-markdown-previewer) Drum Machine – React & Tailwind (https://github.com/Qtyuzet/react-drum-machine) 25-5 Clock – React & Tailwind (https://github.com/Qtyuzet/react-25-5-Clock) Calculator – React & CSS (https://github.com/Qtyuzet/react-calculator) Quote Generator – React & CSS (https://github.com/Qtyuzet/react-quote-generator) Counter – React, CSS & Redux (https://github.com/Qtyuzet/react-redux-counter) JavaJam – Bootstrap (https://github.com/Qtyuzet/bootstrap-javajam?tab=readme-ov-file) Palindrom Checker – Javascript (https://github.com/Qtyuzet/js-c-palindrom-checker) Advance Dice Game – Javascript (https://github.com/Qtyuzet/js-advance-dice-game) Bankist App -Javascript (https://github.com/Qtyuzet/js-bankist-app) Cash Register – Javascript (https://github.com/Qtyuzet/js-c-cash-register) Number Validator – Javascript (https://github.com/Qtyuzet/js-c-number-validator) Roman Converter – Javascript (https://github.com/Qtyuzet/js-c-roman-converter) Decimal to Binary – Javascript (https://github.com/Qtyuzet/js-decimal-to-binary) Quizz App – Javascript (https://github.com/Qtyuzet/js-quiz-app) Pokemon Search – Javascript (https://github.com/Qtyuzet/js-c-pokemon-search) Memories Coffee Interface (https://bit.ly/3Q3d2gz) SKYGO Interface (https://bit.ly/3Q1u26D) Tribute Page (https://github.com/Qtyuzet/html-css-tribute-page) Survey Form (https://github.com/Qtyuzet/html-css-survey-form) Regist Form (https://github.com/Qtyuzet/html-css-regist-form) Technical Docs (https://github.com/Qtyuzet/html-css-js-technical-docs) GCPP – General Cancer Probability Prediction (https://bit.ly/489F6Vm) PAS - Paranormal Appointment System (https://bit.ly/4buBjom) Edit Distance Algorithm (https://bit.ly/3SU8Hhc) Rabin Karp Algorithm (https://bit.ly/3uszasz) EVM - Truffle (http://bit.ly/45mWXGF) EVM - Simple dApp (https://bit.ly/48H1yXa) EVM - Staking Decentralized Application System (https://bit.ly/3LL7Awa) EVM - Crowdfunding System (https://bit.ly/3rENQne) Hyperledger – Solidity Chaincode Interaction (https://bit.ly/46B25YV) R3 Corda – Tesla Cordapp (https://bit.ly/3PIQfVF) 	<ul style="list-style-type: none"> WEMORSE – Centralized Morse Code Communication (https://bit.ly/49txAWb) AMECA – Symmetric Cryptography Encryptor & Decryptor (https://bit.ly/48rulsh) ULTRA HIMEAS – Ultrasonic Height Measurement Device (https://bit.ly/30Dw243) Ozone Damage Identification System (https://bit.ly/48da6DU) IoT implementation in ETLE – Electronic Traffic Law Enforcement (https://bit.ly/3UHHZ10) Hexapod Robot (https://bit.ly/3ut1evU) VEGAR – Vertical Garden Based on IoT (https://bit.ly/3usG01e) AUTOPONIK – Automatic Hydroponic (https://bit.ly/30ETE8i) CANSAT – Can Satellite (https://bit.ly/30CEGj7) OROVE – Coastal Water Purification Project (https://bit.ly/49rJ6BB)