

Billy Rizky Juristra

Front-End Architect | Senior Full-Stack Engineer | Mobile & IoT Systems

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PROFESSIONAL SUMMARY

Front-End Architect and Senior Full-Stack Engineer with 10+ years of experience delivering web, mobile, e-commerce, operational, and IoT-connected platforms. Experienced in leading front-end and mobile architecture, building applications from the ground up, defining scalable application structures, and integrating user-facing systems with backend services and industrial middleware. Background spans React Native, Next.js, React, Node.js, Golang-based services, and factory Track & Trace systems, with earlier consulting experience supporting large-scale telecommunications products and cross-functional delivery teams.

CORE COMPETENCIES

Front-End Architecture • Mobile Application Architecture • Full-Stack Development • Event-Driven Systems • IoT Integration • Technical Leadership • Application Modernization • API & Middleware Integration • State Management • E-commerce Platforms • Operational Dashboards • Agile Delivery • Cross-Functional Collaboration

TECHNICAL SKILLS

Frontend & Mobile: React Native, Next.js, React.js, GatsbyJS, TanStack Start, JavaScript (ES6+), HTML5, CSS3, SCSS

State & UI: Redux, Zustand, Styled Components, Tailwind CSS, Ant Design, Bootstrap

Backend & Data: Node.js, HonoJS, PHP, MySQL, MongoDB, Golang integration

Tooling: Git, Webpack, Gulp

AI-Assisted Engineering: Claude AI, Gemini, ChatGPT

PROFESSIONAL EXPERIENCE

PT. Techtonic ID | Senior Front-End Engineer

Jakarta, Indonesia | Nov 2024 - Present | Full Time

- Architect and develop front-end, mobile, and IoT-connected solutions across industrial, commerce, fitness, and corporate platforms.
- Designed an event-driven Track & Trace solution for serialization and aggregation coding machines supporting BPOM Data Matrix packaging requirements, integrating Next.js interfaces with Golang services, Raspberry Pi devices, and Node.js middleware.
- Develop Shoda, an e-commerce application for the Middle East market, using React Native and Next.js integrated with a Laravel backend.
- Develop and evolve the 20FIT digital ecosystem, including mobile gym and class booking, running-event functionality, and operational dashboards using React Native, Next.js, and Laravel.
- Delivered official corporate web experiences for Seolmi and Techtonic ID, applying reusable front-end architecture and modern web development practices.

PT. Indonesia Bisa Ekspor | Senior Front-End Engineer

Jakarta, Indonesia | Nov 2021 - Nov 2024 | Full Time

- Owned front-end and mobile implementation across multiple export, education, marketplace, and internal operational products.
- Built the Bisa Ekspor mobile application from the ground up with React Native and developed the official Bisaekspor.com platform with Next.js and Styled Components.
- Developed Produk Ekspor and Untuk Kamu mobile applications using React Native, establishing reusable patterns for application structure and feature delivery.
- Built administration and operational dashboards using GatsbyJS, Redux, and Styled Components.
- Developed Bisatrade and Webekspor.com with Next.js and Redux, including authentication and payment-related modules.

Ibunda.id | Senior Front-End Engineer

Jakarta, Indonesia | Jun 2022 - Jan 2023 | Freelance*

- Built the Ibunda mobile application from the ground up using React Native, including real-time chat and video-call capabilities.
- Structured reusable mobile components and application flows to support maintainability and continued product development.

Garda Medis | Senior Front-End Engineer

Jakarta, Indonesia | Dec 2021 - May 2022 | Freelance

- Built the Garda Medis React Native application from the ground up, including chat and video-call functionality for digital healthcare interactions.

PT. Ternak Uang Nusantara | Senior Front-End Engineer

Jakarta, Indonesia | Nov 2021 - Jun 2022 | Freelance

- Developed the Ternakuang mobile application from the ground up with React Native.
- Built the official Ternakuang.id web platform using GatsbyJS, Styled Components, Redux, and authentication modules.

PT. FITCO Indonesia | Senior Front-End Engineer

Jakarta, Indonesia | Sep 2019 - Nov 2021 | Full Time

- Developed the official FITCO mobile application using React Native and contributed to the product's mobile engineering foundation.
- Built sales and administration dashboards using React.js, Redux, and Ant Design to support day-to-day business operations.
- Developed FITCO's public web presence using GatsbyJS and SCSS.

PT. PhinCon | Senior IT Consultant - Middleware

Jakarta, Indonesia | Aug 2017 - Aug 2019 | Full Time

- Worked within the Solution Architect and Business Analyst organization, contributing to telecommunications software initiatives as a consultant and software engineer, with McKinsey Digital Lab as a strategic delivery partner.
- Served as Mobile App Tech Lead and supported delivery of MyTelkomsel mobile and web applications.
- Collaborated with McKinsey Digital Lab and Accenture teams on enterprise-scale delivery and technical implementation.
- Worked across React.js, Hapi.js, Redux, Webpack, Gulp, Cordova, and Git-based workflows while coordinating requirements, knowledge sharing, and Agile delivery with cross-functional teams.

Studibrand.inc | Front-End Developer

Surakarta, Indonesia | Aug 2016 - Jun 2017

- Delivered multiple client-facing company profile websites using HTML5, CSS3, and JavaScript, including Solocult.com, Standardplus.co.id, Kedaton8spa.com, and Intekunsindo.id.
- Integrated Contentful cloud CMS and contemporary front-end tooling to improve content maintainability and delivery.

Kadang Koding Indonesia | Front-End Developer

Surakarta, Indonesia | Jan 2015 - Jun 2016

- Developed client web projects using HTML5, CSS3, JavaScript, PHP, and MySQL, including Kadangkoding.com, Civilweekuns.com, Kerjatepat.com, Spacehype.co, and Dianfikry.com.
- Contributed as Front-End Designer on Diaryhijaber.com and used GitHub and Bitbucket for source-code collaboration.

PT. Garuda Indonesia | Web Developer Intern

Jakarta, Indonesia | Aug 2014 - Oct 2014 | Internship

- Developed a web-based meeting-room booking application using PHP and MySQL.

SELECTED PROJECTS

Track & Trace Serialization & Aggregation Coding Machine: Industrial coding and traceability solution designed to support BPOM Data Matrix packaging requirements.

20FIT Mobile & Web Platform: Gym and class booking, running-event functionality, and operational web dashboards.

Shoda E-Commerce Application: Mobile and web e-commerce experience for the Middle East market.

Bisa Ekspor Mobile & Web Apps: Cross-platform export-learning and business ecosystem delivered across mobile and web.

MyTelkomsel Mobile & Web Apps: Large-scale telecommunications customer applications delivered within an enterprise consulting environment.

FITCO Mobile & Web Apps: Consumer fitness application plus sales and administration platforms.

EDUCATION

Sebelas Maret University, Surakarta, Indonesia | Bachelor Degree, Informatics Engineering | GPA 3.13 | Aug 2011 - Mar 2017

LANGUAGES

Bahasa Indonesia | English

** The source CV lists the Ibunda.id dates as "Jun 2022 - Jan 2022," which appears chronologically inconsistent. The ATS version uses Jan 2023 as a likely correction and should be verified before submission.*