

MOHAMMAD RIJAL

Nationality: Indonesian | **Location:** Tasikmalaya, Indonesia | **Mobile:** (+62) 82216754762

LinkedIn: [linkedin.com/in/mohammad-rijal](https://www.linkedin.com/in/mohammad-rijal) | **Email:** mohammad.rijal@outlook.com

EXPERIENCE

Senior Frontend Engineer / [FrankieOne](#) / Remote, APAC Nov 2025 – Jun 2026

- Building and scaling platform-level frontend systems with React and TypeScript, leveraging AWS cloud-native services.
- Led migration of portal platform pages from monolith to micro-frontends, rebuilding the repo with Turborepo and setting up BFF, IaC, and CI/CD pipelines.
- Established a centralized CIAM service repository for authentication and identity management using Better-Auth.

Senior Frontend Engineer / [Wallex \(M-DAO Global\)](#) / Remote, ID Dec 2023 – Nov 2025

- Led web development activities as PIC for Wallex Admin, guiding product and backend collaboration, making key technical decisions, and establishing the frontend release workflow.
- Architected and maintained a multi-entity frontend codebase for Wallex Admin, supporting 4 country-specific APIs and business rules, with cross-entity integrations through a global entity.
- Migrated a CRA project to Vite, reducing build time by 50%, and refactored 15+ Wallex Admin pages from Angular to React for improved performance and maintainability.
- Developed the Admin ACL (Access Control List) pages to replace manual database patching with a self-service interface, streamlining access management for 100+ staff, reducing errors, and improving operational efficiency.

Planned Career Break Aug 2021 – Nov 2023

- Erasmus full-scholarship awardee (1 of 21 globally) for an MSc in Software Engineering for the Green Deal, completing industry and research projects across Europe in accessibility, agile practices, and WebAssembly performance.

Senior Software Engineer, Web Platform / [Tokopedia](#) / Jakarta, ID Jan 2020 – Jul 2021

- Led web development activities as PIC across Tokopedia Salam, Affiliate, and IT Enterprise, ensuring alignment, quality, and timely delivery of 10+ projects with product and backend teams.
- Boosted system reliability and performance by enforcing 70%+ unit test coverage, integrating monitoring tools with Slack alerts, improving Core Web Vitals scores, and implementing AMP technologies.
- Mentored junior engineers across multiple teams of 2 to 5 members through code reviews, weekly knowledge-sharing sessions, and regular 1:1s to support growth and improve code quality.

Software Engineer, Web Platform / [Tokopedia](#) / Jakarta, ID Jul 2019 – Dec 2019

- Set up and maintained a micro-frontend service for Tokopedia Salam, a new Islamic-focused vertical, handling dependency setup, unit testing with Jest, and CI/CD integration using Jenkins.
- Developed Tokopedia Umroh, a greenfield Islamic pilgrimage product, using React.js and GraphQL, with integration to payment services and SEO optimization for greater discoverability.

UX Engineer / [Tokopedia](#) / Jakarta, ID Apr 2018 – Jun 2019

- Delivered high-performance, pixel-perfect UI implementation for Digital Goods products, maintaining design fidelity while optimizing for speed and responsiveness.
- Redesigned the Tokopedia Events and Deals Page using React.js, leading to a significant improvement in user engagement and overall experience.

SKILLS

-
- **Programming Languages and Scriptings:** HTML, CSS, JavaScript, TypeScript
 - **Frameworks, Libraries, Technologies:** React.js, React Native, Redux, Next.js, GraphQL, Jest, Git, NPM, Webpack, Lighthouse, Node.js, Express, MySQL, MongoDB, Figma, AWS, Agile Methodology, CSS-in-JS, Terraform, Claude.

EDUCATION

Erasmus Joint Master's Degree Software Engineers for Green Deal Sep 2021 – Aug 2023

- **Universities:** University of L'Aquila, IT / LUT University, FI / Vrije Universiteit Amsterdam, NL
- **GPA:** 4.36/5.00 | **Awards:** Erasmus Mundus Joint Master's Degree Scholarships Awardee, Beko Special Awards Winner in Hack The Normal Sustainability 2022 hosted by Beko.

Bachelor's Degree in Informatics Aug 2013 – Mar 2018

- **University:** Institut Teknologi Sepuluh Nopember, ID
- **GPA:** 3.76/4.00 | **Award:** Erasmus+ International Credit Mobility Scholarships Awardee to study Business Information System at Cardiff Metropolitan University (Sep 2016 - Feb 2017).

ADDITIONAL EXPERIENCE

Frontend Consultant (Freelance) / DELOS / Remote, ID Nov 2021 – Jan 2023

- Improved web performance and code quality at Delos by auditing pages, enhancing Redux with slices, managing package versioning, and mentoring through code reviews.

Fullstack Web & Mobile Development Instructor (Part-Time) / Purwadhika / Jakarta, ID Aug 2019 – Jul 2020

- Taught Full Stack Development with a practical focus, covering React.js, React Native, Node.js, Express, MongoDB, and MySQL.