

Moch Iqbal Sudrajat

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[LinkedIn](#) | [GitHub](#) | [Portfolio Site](#)

Software Engineer with hands-on experience in backend and full-stack development, supported by a strong background in application support. Experienced in building and enhancing real-world applications using Node.js, Java, and MySQL, including a community-based reporting platform with location-based and real-time features. Skilled in analyzing production issues through logs and databases, while contributing to API development, automation, and system improvements. Able to collaborate with cross-functional teams to deliver reliable and maintainable systems.

SKILLS

Programming & Web Development: Java, JavaScript, TypeScript, Dart, Node.js (Express.js), PHP (CodeIgniter), RESTful API, HTML, CSS, React, Angular, Flutter

Automation & Testing: Selenium, Appium, Automated Testing, Manual Testing

Database: MySQL, Firebase, Query Optimization

Tools & Environment: Git, Jira, Postman, Linux, Bash, Cron, Android Studio

Language: English (Advanced)

PERSONAL PROJECTS

Neighborhood Watch (Community Reporting Platform)

- Designed and developed a full-stack application using Node.js, Express.js, and MySQL for backend and Flutter for mobile app for reporting and tracking local incidents (e.g., infrastructure issues, lost pets)
- Integrated location-based services and interactive features (maps, reactions, reporting) to enable real-time community engagement

Game Store Website

- Built an e-commerce web app using PHP (CodeIgniter) and MySQL for product catalog and transaction handling
- Designed backend logic and database schema to manage products and orders efficiently

Automatic Plant Watering System

- Developed an IoT-based system using Arduino, Angular, Express.js, and Firebase for real-time monitoring and auto-watering
- Implemented sensor-based triggers and a monitoring dashboard to control and monitor plant conditions

WORKING EXPERIENCE

HAUD

Nov 2021 - Present

IT Support Engineer (Application & Software Development)

- Monitored applications and investigated production issues by analyzing system logs and database records to identify root causes and maintain system stability.
- Developed and maintained test automation scripts for Android and desktop applications using Java, Appium, and Selenium, executing around 1500–2000 automated tests per day and reducing repetitive manual testing by ~40%.
- Developed an Nvision Android (Java) application from scratch to display test results through dynamic graphical statistics for internal users and clients.
- Provided software and hardware technical support to internal staff and users, handling an average of 8–12 support requests per day related to system, application, and device issues.
- Participated in manual and automated testing activities across 3–5 system releases per month, identifying and helping resolve 15–20 bugs or issues per month before production.
- Assisted in the development and maintenance of internal testing and automation tools, supporting 8–10 test cases per week used by internal teams.
- Contributed to frontend and backend system improvements, including minor refactoring and enhancements using JavaScript, TypeScript, Node.js, and MySQL, impacting 15–20 API endpoints or system modules.
- Wrote, updated, and optimized MySQL queries and database tables, supporting daily reporting and operational needs and improving data reliability by ~15–20%.
- Recorded, tracked, and followed up on 25–30 IT tickets per week using JIRA, ensuring clear documentation and timely issue resolution.
- Worked closely with developers and operations teams to ensure system reliability and smooth releases.

EDUCATION

Universitas Nusa Mandiri

Bachelor's Degree in Informatics | GPA 3.73/4.00

Mar 2023 – Mar 2024

Universitas Bina Sarana Informatika

Associate Degree in Computer Engineering | GPA 3.64/4.00

Jan 2017 – Nov 2020