

# Muhammad Khoirurrizqi

<https://mkhoiqi.github.io/>

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Bandung, West Java, Indonesia

## WORK EXPERIENCE

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- **Tricada Intronik** Bandung  
*Backend Engineer* Aug 2023 - Present
  - Developed a Security Information and Event Management (SIEM) system for a leading telecommunication company in Indonesia, utilizing Spring Boot, Java, Apache Kafka, Apache Pinot, OpenSearch, Graylog, Ansible, Jenkins, Jasper Reports, MongoDB, MySQL, and Python to deliver a large-scale security monitoring system.
- **ITAsoft Indonesia** Bandung  
*Junior Software Engineer* Aug 2022 - Aug 2023
  - Developed three major systems: Competency Appraisal & Review (multi-level employee appraisal system for a multinational automotive company), Levy Management (employment levy management system for a Southeast Asian government ministry), and Reminder CMTS (task ticket management system for a multinational chemical manufacturer), using Joget Workflow, Java, MySQL, Microsoft SQL Server, Jasper Reports, HTML, CSS, JavaScript, and jQuery.
- **Harisenin.com** Jakarta  
*Backend Developer Intern* Sept 2021 - Feb 2022
  - Developed a content management dashboard for Harisenin.com's website, using Laravel, PHP, MySQL, Bootstrap, HTML, CSS, and Javascript.
- **Mongga Indonesia** South Tangerang  
*Web Developer Intern* Mar 2021 - Jul 2021
  - Developed the main operational dashboard for Mongga Indonesia's e-learning business, using Django, Python, Bootstrap HTML, and CSS. Awarded as Best Intern in the division.

## PROJECTS

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- **SIEM:** Backend Engineer for the development of an internal Security Information and Event Management (SIEM) system at a leading telecommunication company in Indonesia. Skilled in Spring Boot, Java, Apache Kafka, Apache Pinot, OpenSearch, Graylog, Ansible, Jenkins, Jasper Reports, MongoDB, MySQL, and Python for building backend architecture, automating deployment, real-time log analytics, and dynamic reporting.
- **Levy Management System:** Software Engineer in the development of a Levy Management System for a government ministry in a Southeast Asian country, similar to a social security fund management system. Responsible for developing features for company contributions per employee, late payment interest calculation & waiver, and participant data management. Skilled in Joget Workflow, Java, MySQL, Jasper Reports, HTML, CSS, JavaScript, and jQuery to build an integrated, user-friendly system tailored to the ministry's operational needs.
- **Reminder CMTS System:** Software Engineer in developing Reminder CMTS for a multinational chemical manufacturing company in Indonesia. This system monitors employee tasks through ticket requests, including urgency classification, team assignment, work estimation, and task status to enhance cross-team communication. Skilled in Joget Workflow, Java, MySQL, Jasper Reports, HTML, CSS, JavaScript, and jQuery to deliver an efficient task-tracking platform.
- **Competency Appraisal and Review System:** Software Engineer in developing Competency Appraisal & Review for a multinational automotive company in Indonesia. This system facilitates employee performance appraisals across all organizational levels with multi-layer approval workflows. Proficient in Joget Workflow, Java, Microsoft SQL Server, HTML, CSS, JavaScript, and jQuery for building a structured employee appraisal platform.

- **E-Voting System:** Fullstack Developer in developing an e-voting system for the Student Association of UPH Faculty of Law during the pandemic. The system enabled online voting with unique credentials sent via email to eligible voters. Built with CodeIgniter, PHP, MySQL, and Bootstrap to ensure a secure and user-friendly voting process.
- **HMIF Website:** Backend Engineer in developing the Informatics Student Association (HMIF) ITERA website to digitally showcase the organization and its activities. Built the backend using Laravel, PHP, and MySQL to deliver a responsive and informative platform.
- **Urdailyhealth Website:** Backend Engineer in developing a company profile website for Urdailyhealth, an SME providing healthy diet meals. The website features company information, articles, and weekly menus. Built with Laravel, PHP, and MySQL to deliver an informative and manageable platform.
- **Kriptos Grafos:** Backend Engineer in developing Kriptos Grafos, a web-based application for text encryption and decryption as part of an academic project. Integrated a pre-built encryption/decryption model developed in Python, using Flask API as the bridge between the user interface and the model for real-time text processing.
- **NAKA Marketplace:** Fullstack Developer in developing NAKA Marketplace, a mobile application for cake trading as part of an academic project. The platform allows bakeries to showcase their products and buyers to place orders via integrated WhatsApp communication. Built with React Native, Laravel, PHP, and MySQL.

## CERTIFICATIONS

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- **Introduction to Java** Sololearn / Apr 2023
- **Memulai Pemrograman Dengan Java** Dicoding / Mar 2023
- **SQL** Sololearn / Jul 2022
- **Building Web Applications in PHP** Coursera / Sept 2021
- **Responsive Website Basics: Code With HTML, CSS, and Javascript** Coursera / Sept 2021
- **Belajar Dasar Pemrograman JavaScript** Dicoding Indonesia / Jul 2021 – Jul 2024
- **Memulai Pemrograman Dengan Python** Dicoding Indonesia / Feb 2021 – Feb 2024
- **Python** Progate / Feb 2021

## EDUCATIONAL HISTORY

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- **Institut Teknologi Sumatera** Lampung  
*Bachelor of Informatics Engineering; GPA: 3.48/4.00* Aug. 2018 – Jun. 2022
  - Final Project: [click here](#)

## ORGANIZATIONAL HISTORY

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- **Himpunan Mahasiswa Informatika ITERA**  
*Head of Technopreneur Div.* 2021 – 2022
- **Himpunan Mahasiswa Informatika ITERA**  
*Staff of Technopreneur Div.* 2020 – 2021

## PROGRAMMING SKILLS

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- **Languages:** Java, PHP, Python
- **Technologies:** Spring Boot, Joget Workflow, Laravel, CodeIgniter, jQuery, Jasper Reports, MySQL, Microsoft SQL Server, MongoDB, Apache Pinot, PostgreSQL, Graylog, Apache Kafka, Ansible, Jenkins, OpenSearch, Elastic Search