

# MUHAMMAD RAHMATULLAH, S.Kom., M.B.A.

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## Technical Skills

Ruby, Ruby on Rails, Elixir, Phoenix, JavaScript, SQL, NoSQL, Amazon Web Service API, Google API, RabbitMQ, Apache Kafka, Redis, MySQL, PostgreSQL, MongoDB, Heroku, Git, Docker, CI/CD, New Relic, DataDog, Bash.

## Professional Experiences

[Kredivo](#), Remote, Full-time

DEC 2023 – Present

### Senior Full-stack Engineer

- Led the optimization of the Data Ingestion process, reducing execution time from **10 minutes** to **20 seconds**.
- Optimized the Kredivo Internal Tool's build time and Bitbucket pipeline by reducing the build size by up to **50%** and improving pipeline speed from **30 minutes to 15 minutes**.
- Developed and maintained internal tools to manage loan disbursement, repayment, and cancellation using **Node.js, React.js, and MySQL**.

[Stockbit](#), Remote, Full-time

DEC 2021 – Dec 2023

### Senior Backend Engineer

- Led the team & developed an invitation code service to handle the first **1000** users of [crypto.stockbit.com](#) using **AWS EB, Elixir, Phoenix, Docker, and PostgreSQL**.
- Developed a real-time crypto market data aggregator and streaming service for [crypto.stockbit.com](#) using **AWS EB, AWS RDS, Kafka, ZeroMQ, Elixir, Phoenix, Redis, Docker, and PostgreSQL Time Series Database** that can process **1 million** monthly trade data.
- Responsible for the creation of **RFC** and **Technical Documentation**, consisting of API contracts and High-level diagrams.
- Implemented **GitLab continuous integration** pipeline for all services to automate the test, audit, and build the application **Docker** image.

[Mekari](#), Remote, Full-time

JUNE 2020 – Dec 2021

### Software Engineer 2

- Developed **11** Microservices to integrate with various bank partner's APIs and various merchant's APIs for [jurnal.id](#) using **AWS RDS, AWS EB, AWS Lambda, Docker, Jenkins, Ruby, Ruby on Rails, MySQL, MongoDB, Redis, RabbitMQ, and Java**.
- Developed internal system management and monitoring tools that reduced customer issues by **80%** using **AWS RDS, AWS EB, Ruby, Ruby On Rails, JavaScript, Docker, and Vue.js**.
- Participated and created an **e-signature** Application using **Ruby** and **Ruby on Rails** in the internal hackathon and won **third place**. ([link](#))

[Clapping Ape](#), Bandung, Full-time

JULY 2019 – Mar 2020

### Backend Engineer

- Developed a **Microservices** Service and maintained the website of one of the largest assurance providers in Indonesia [jagadiri.co.id](#), using **Heroku, AWS EC2, AWS S3, AWS RDS, Ruby, Ruby on Rails, MySQL, Redis, and JavaScript**.
- Singlehandedly designed and developed numerous applications using **Ruby, Ruby On Rails, and PHP**, which resulted in improved general performance.

41 Studio, Cimahi, Full-time

JUN 2017 – July 2019

### Ruby on Rails Engineer

- Refactored the software structure for an online video service backend API, reducing overhead costs by 50% using **Facebook Graph API, Google OAuth API, MixPanel, Heroku, AWS EC2, AWS S3, AWS SNS, AWS RDS, AWS Elastic Transcoder, Firebase Cloud Messaging, Ruby, Ruby on Rails, Redis, and MySQL**.
- Successfully developed numerous software applications that increased user-friendliness by 20% using **Ruby, Ruby on Rails, MySQL, and JavaScript**.

## Certifications

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<a href="#">Go: The Complete Developer's Guide (Golang)</a>	2022
<b>Udemy</b>	
<a href="#">The Complete Elixir and Phoenix Bootcamp</a>	2021
<b>Udemy</b>	
<a href="#">Elixir and Phoenix: Real World Functional Programming</a>	2021
<b>Udemy</b>	
<a href="#">Intermediate REST API</a>	2020
<b>HackerRank</b>	
<a href="#">Intermediate SQL</a>	2020
<b>HackerRank</b>	
<a href="#">Basic SQL</a>	2020
<b>HackerRank</b>	
<a href="#">Intermediate Problem Solving</a>	2020
<b>HackerRank</b>	
<a href="#">Basic Problem Solving</a>	2020
<b>HackerRank</b>	
<a href="#">Intermediate Ruby</a>	2020
<b>HackerRank</b>	
<a href="#">Basic Ruby</a>	2020
<b>HackerRank</b>	
<a href="#">Basic Javascript</a>	2020
<b>HackerRank</b>	
<a href="#">Basic Java</a>	2020
<b>HackerRank</b>	

## Public Speaking & Mentoring Experiences

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Participated as a speaker in Internal Stockbit engineering talks about " <b>Man In the Middle: Mitigation, and Prevention</b> ". ( <a href="#">link</a> )	2023
Participated as a guest speaker to represent Stockbit at <a href="#">dibimbing.id</a> and talk about " <b>MySQL and Database</b> ". ( <a href="#">link</a> )	2023
Participated as a guest speaker to represent Stockbit at <a href="#">exabytes.co.id</a> and talk about " <b>Implementation of Coding Principles</b> ". ( <a href="#">link</a> )	2023
Participated as a guest speaker to represent the Mekari at <a href="#">exabytes.co.id</a> and talk about " <b>Build your First RESTful JSON API With Rails and Deploy it to Heroku</b> " ( <a href="#">link</a> )	2022
Volunteered as an Industrial Trainer and Software Engineer Mentor at <a href="#">Glints</a> as one of the Ministry of Education of Indonesia program and mentored <b>30</b> mentees. ( <a href="#">link</a> )	2021

## Open Source Experiences

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[ifme](#) - Open source mental health communication web app to share experiences with loved ones

[EBWiki](#) - Repository of police abuse cases against people of color

[twirp-elixir](#) - Elixir implementation of the twirp RPC framework

## **Educations**

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Bandung Institute of Technology, Bandung, Indonesia

2022-2024

**Master of Business Administration (GPA 3.70)**

Widyatama University, Bandung, Indonesia

2017-2021

**Bachelor of Information Systems - Cumlaude (GPA 3.72)**