

# Muhamad Rizki



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## Education

- 2011 - 2015 **Bachelor of Engineering, Telkom University, Indonesia**
- Major in Computer Science
  - Final Project "*Big Data Analytics Using Hadoop MapReduce with Naive Bayes Classifier Algorithm in Case of Social Media Twitter Sentiment Classification*".
- 2008 - 2011 **Senior High School, SMAN 1 Tasikmalaya**
- Major in Science

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## Academic Background

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|-------------|---|
| Computing   | Big Data, Machine Learning, Programming and Software Engineering<br>Information System, Data Mining, Data Visualization |
| Mathematics | Calculus, Linear Algebra, Probability and Statistics, Number Theory   |

## Work

### Experience

- Aug - Present    **Research Fellow**, *Otoritas Jasa Keuangan*.
- Building Executive Information System for Dewan Komisiner & on board at Data Management & Analytics team for Building OJK Big Data Analytics and Integration
- Aug - Sep 2018    **CTO & CO-FOUNDER**, *INAGRI*.
- Lead technology division, **lead web dev & data analytics** for **Supply Chain Management system** agriculture sector.
- Jan - Aug 2017    **Software Engineer**, *Svara*.
- Developing Svara API using node.js with Loopback, **Recommendation System** using Collaborative Filtering, **Data Visualization & Analytics** using **Countly** and **Kibana**, **Blockchain** distributed system.
- 2016 - Jan 2017    **Software Engineer**, *PT Tokopedia*.
- **Tokopedia Java Automation Program** improvement for QA.
  - improvement a new feature **Tokopedia Tiket** with **golang** and **node.js** using **redis** and **mongoDB**
  - Tiket KAI <https://tiket.tokopedia.com> API using golang & node.js
- 2013 - 2014    **OOP Lecture Assistant** , *Computer Science, Telkom University*
- an **Object-Oriented Programming** Language Assistant Lecturer .
- June 2015    **Software Engineer**, *Lippo Group*.
- join a project build **Point of Sales** on mobile application for Lippo Malls Kuta Food Court in Bali.
- Oct - Mar 2015    **Front-End Engineer**, *Mediatrac Sistem Komunikasi*.
- build **Data Analytics** web apps dashboard using **AvergraphJs**, **React.js** .
  - develop **Web metrics using ZK Framework using Hadoop and Spark Framework** with Java & Scala Programming Language
  - visualising **data integration** and **data cleansing**.
  - **graph data visualization**

- May - Oct 2014 **Software Engineer, Pixel Indonesia.**
- serve a software for developing JBatik, a software for assisting Batik Designer to generate various Batik patterns in 2D and 3D based on the **Fractal Math** method with Java Netbeans Platform.
  - serve a software named JArsi. J-Arsi is an architectural design software which uses generative design method. jBatik uses simple mathematical method called Fractal to generate its design. Drawing one architectural design, user can then create many new designs simply by changing its parameters.
- present **Research Associate, Computing Laboratory, Telkom University.**
- work on research about Final Project “**Big Data Analytics Using Hadoop MapReduce with Naive Bayes Classifier Algorithm in Case of Social Media Twitter Sentiment Classification**”.
  - Big Data
  - Information Retrieval
- 2013 - 2014 **UI & UX Designer, Studio Pemrograman, Telkom University.**
- creating the graphical user interface (GUI), screen flow, and the interaction design on mobile and web. Sharing club with other Telkom University students.
- Jan - May 2014 **Programmer, Agate Studio, Bandung.**
- Creating 2D Animation for GUI components - Making visual effects to polish the game feel and look - Developing a game based on web (online) football saga 2 to based on mobile, and Jokowi Go : <https://play.google.com/store/apps/details?id=org.generasioptimis.jokowigo>.
- July - Aug 2012 **Web Developer Intern, Ministry of mine Energy West java Province.**
- work on GELADI is a training program carefully designed by Telkom Institute of Technology to create a specific work experience for students, conducted in an atmosphere of learning. By conducting GELADI. Students are trained to recognise and appreciate the scope of work in the field, in order to adapt to their environment to complement the learning process acquired in college.
- 2014 **Android Developer, Samsung Research Indonesia.**
- Build an apps for triptrus mobile application <http://www.triptrus.com>

## SOFTWARE PROJECT

- 2018 **Telkomsel M-Sight**, *as a Big Data Engineer.*
- Build a data analytics & visualization using hadoop and kibana
- 2017 **PERTAMINA**, *as a remote software engineer.*
- Build an mobile apps for B2B Supply Chain Management pertamina retail
- 2016 **SVARA**, *as a software engineer.*
- Build an API using node.js with Loopback and Recommendation System using Collaborative Filtering, Big Data Analytics
- 2015 **TM - HEALTH Telkomedika**, *as a software engineer.*
- Build a medical check up report information on android and ios using hybrid mobile application IONIC
- 2015 **Tiket Tokopedia**, *as a software engineer.*
- Build a Tiket KAI <https://tiket.tokopedia.com> API using golang & node.js
- 2015 **Point of Sales mobile application**, *as a mobile developer.*
- Build a POS based Android
  - with LIPPO GROUP for food court LIPPO MALL KUTA BALI
- 2015 **Vinci Code Social Media**, *as a mobile developer.*
- Build a social media based Android
  - create UI & UX
- 2014 **JArsi**, *as a Java Programmer.*
- J-Arsi is an architectural design software which uses generative design method. jBatik uses simple mathematical method called Fractal to generate its design. Drawing one architectural design, user can then create many new designs simply by changing its parameters. link : [j-arsi.com](http://j-arsi.com)
- 2013 **Palm Trans & Travel Information System**, *as a software developer.*

- An information system for managing and monitoring operational, financial management report.

2013 **Santosa Hospital Medical System** *as a software developer.*

- SHMS is our leading-edge medical information software solution. Our software allows you to easily record requests for medical information, quickly respond to those requests and accurately report and track all necessary activity.

## MUSIC

2014 **Orchestra Conductor/ Music Director/ Guitarist**, *Eka Sanvadita Orchestra, Telkom University.*

- A part-time musician: conduct some concerts as a conductor, write orchestral music arrangements and compositions, perform as a pianist, guitarist or vocalist, work with several well-known vocalists and musicians

## ORGANIZATION

2013 **Head of Internal Department**, *HMIF, Institut Teknologi Telkom.*

## Languages

Bahasa  
Indonesia **Native**

English **Fluent**

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# Computer Skill

## Front-End

- Javascript, HTML, SCSS
- Vue.js, React.js, Angular.js

## Back-End

- NodeJS
- Java, Golang, Python
- Kong Mircoservice

## Data & Analytics

- SQL, NoSQL, MongoDB, PostgreSQL, Cassandra
- Slam Data
- Kibana
- Elasticsearch
- Count.ly

## Big Data

- Cloudera
- Hadoop
- Spark
- Kafka
- Map Reduce

## Testing

- Automation, Selenium, Appium, JUnit

## Deployment

- Kubernetes, Jenkins, Docker

## Project Management

- Jira, Trello, Slack
- Git / SVN

## Research Interest

- Big Data
- E - Commerce
- Machine Learning

## Test Score

EPRT (English Proficiency Test)

*Score:500*

ECCT (English Communicative Competence Test)

*Score:3.25/4*

JobStreet English Language Assessment

*Score:22/40*

Personality Test

*Score:ENTJ - The "Chief"*

SCID Test (Adaptive Behavior)

*Score:14, 32, 25, 29*

SCID Test (Natural Behavior)

*Score:19, 24, 26, 31*