# MICHAEL JACOB EPHARIEM JEHUDA

## DATA SCIENTIST| SOFTWARE DEVELOPER

michaeljacob6789@gmail.com

Surabaya,East Java

Michael Jacob Ephariem Jehuda | LinkedIn

medium.com/@michaeljacob6789

github.com/Michaeljacobej

https://michaeljacobej.vercel.app/

## ABOUT ME

I am a Software Engineer with professional experience managing large-scale industrial projects in the bank. My work experience has introduced me to disruptive and innovative technologies, project development, and meaningful project skills which contribute to my daily work.

I have experience building dynamic user interfaces using React, increasing throughput of backend infrastructures using Spring and deploying to AWS via Docker containers.

## EXPERIENCE

**Nov 2022- Present**
**PT Bank Central Asia Tbk.**

### SOFTWARE DEVELOPER

1. Maintain and assist product and system operations
2. Responsible to provide details of initiatives in application development
3. Planning, design, implementation (coding), testing and repair activities in research, innovation and product/system development
4. Deployment activities (installation, configuration, operation, testing and making changes) to products/ system

**Oct 2020-2022**
**PT Gudang Garam Tbk**

### SECONDARY AUTOMATION ENGINEER

1. Electronics troubleshooting
2. Setting and calibration sensors
3. Checking input and output every node from the component
4. Program Troubleshooting
5. Checking Safety procedure machine
6. Check hardware configuration program
7. Modify function program with Ladder , STL and function block diagram for efficiency
8. Troubleshoot program when occured error machine cigarette technology.

## EDUCATION & ACHIEVEMENT

**Oct 2015-oct 2018**

*Institut Teknologi Sepuluh November*

## BAYUCARAKA ITS ROBOTICS TEAM (PROGRAMMER)

1. Programming for Navigation Rotary Vertical Take off landing such as taking data gps and convert haversine formula for guiding control robot
2. Programming for Image Processing Rotary Take OFF Landing such as open cv and android opencv for detecting barcode and knowing position packages
3. Checking safety my rotary robot for landing, flight mode and take OFF
4. Programming for taking packages and extinguish fire
5. Programming for Ground Control Stations

**July 2021-Present**

*dibimbing*

## DATA SCIENTIST BOOTCAMP PARTICIPANT

1. Build predictive models using machine-learning, clustering and classification techniques, and algorithms
2. Analyse and conduct feature engineering for massive data
3. Communicate key findings using easy to understand visualizations and tell stories about data
4. Conduct and manage data analysis to discover meaningful insight in data and develop fact-based recommendations for innovation projects
5. Perform exploratory data analysis on various data sources to get new insights to improve the model and give recommendation for product development.

Oct 2017-oct 2019
**Institut Teknologi Sepuluh Nopember**

## BACHELOR DEGREE

GPA: 3.40

1. **Finalist Federation of International Robot-sport Asociation Category FIRA AIR in Taiwan**
2. **1st Winner Division Vertical Take Off Landing in Flying Robot Contest Indonesia (Kemenristek DIKTI)**

Oct 2014-oct 2017
**Institut Teknologi Sepuluh Nopember**

## DIPLOME DEGREE

GPA: 3.22

1. **3rd Winner Division Vertical Take Off Landing in Flying Robot Contest Indonesia (Kemenristek DIKTI)**
2. **Best System Division Vertical Take Off Landing in Flying Robot Contest Indonesia (Kemenristek DIKTI)**

# Project

1. Library App
2. Fazzpay App
3. Brazilian E-commerce dataset
4. Predicting Stock Markets
5. Design Swarm Drones Based on Leader-Follower
6. Self Balancing Robot Using PID Controller
7. Autonomous Emergency Service Drone for Indoor
8. Autonomous Drone with Android Camera for Drag and Drop Object
9. Design of Data Acquisition System in The Agriculture Land That Related by Web as Reference to Increase The Agriculture Production
10. Monitoring System of Aeroponic Integrated by WEB
11. Autonomous Fire Extinguisher Drone

# Technical Skills

## Expert :

1. Python (Numpy, Pandas,Seaborn, Matplotlib,Opencv,Sklearn)
2. R programing (ggplotly, tidyr, dplyr, corrplot)
3. SQL
4. C++
5. React
6. Springboot