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## CURRICULUM VITAE



**Name** : Damar Dayu Alifany Hardy  
**Current Profession** : Software Engineer  
**Nationality** : Indonesian  
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### Key Qualifications:

- Native Android Developer
  - Software Engineer
  - UAV Control and Airframe Engineer
  - 3D Modelling
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### Education:

- Bachelor of Aerospace and Aeronautic Engineer, Institut Teknologi Bandung, 2019
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### Non-formal Education:

- Udacity – Developing Android Apps with Kotlin, 2020
  - Dicoding – Belajar Membuat Aplikasi Android, 2019
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### Certifications:

- Dicoding Application Developer Certification, 2019
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### Employment Record:

2019 to date : PT. Multipolar Technology, Jakarta, Indonesia  
Software Engineer

2018 to 2019 : Institut Teknologi Bandung, Bandung, Indonesia  
Research Assistant in Control Laboratory

2018 : PT. GMF AeroAsia, Tangerang, Indonesia  
Non-destructive Testing Intern

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### Project Experiences with PT. Multipolar Technology :

#### 1. Mandiri CIAM (Customer Identity Access Management) Implementation

Period : Feb 2020 – Dec 2020

Client : Mandiri

Position : Software Engineer

Activity :

- Build Appliance Deployment Automation using Ansible Script for IBM Security Product (ISAM) for three server environments
  - Explore the possibility to integrate Ansible Automation Script with Jenkins to support code deployment and maintenance
  - Recreate custom Javascript API of IBM Security Access Management (ISAM) to be deployed in local environment
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Technology used : Microsoft SQL Server, REST API, JSON, Xamarin Forms for Developing Cross-Platform App, Firebase Cloud Messaging, Visual Studio, C#

## **2. EPM (Enterprise Project Management) Mobile Development Phase 2**

Period : Nov 2019 – Feb 2020

Client : Internal Project

Position : Application Developer

Activity :

- Develop Timesheet feature in existing App, in order to ease Multipolar Employee especially Project Manager and Project Coordinta
- Develop Database Table and Web Service for Action Item Feature
- Develop Action Item feature in existing App

Technology used : JavaScript, ISAM, Jenkins, Ansible, VMWare, Ubuntu Linux, IBM Active Directory (ISDS), OAuth 2.0

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## **Project Experiences with Institut Teknologi Bandung :**

### **1. Smart UAV with Tracking Guidance**

Period : Nov 2018 – Nov 2019

Client : PT Lapi ITB

Position : Assistant Researcher

Activity :

- Develop alternative tracking algorithm using Python - OpenCV
- Develop component integration
- Testing hardware performance and giving insight based on the testing
- Conduct field testing and some demos of the product

### **2. Quadcopter with Image Processing Control**

Period : Nov 2018 – Mar 2019

Client : FTMD

Position : Assistant Researcher

Activity :

- Develop tracking algorithm using Python - OpenCV
- Integrate the tracking algorithm to feed control for the Quadcopter
- Conduct field testing of the product

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## **Project Experiences with PT GMF AeroAsia, Tbk :**

### **1. NDT Daily testing**

Period : Jun 2018 – Jul 2018

Client : Garuda Indonesia, Lion Air

Position : NDT Intern

Activity :

- Support Daily NDT Testing
- Create Deep Research about Eddy Current Testing

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## **Side Project Experiences:**

### **1. Soptle Retail Market Android App Development**

Period : Aug 2019 – Current

Client : Soptle Retail E-Commerce

Activity :

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- Design UI for E-Commerce app for retail purpose called Soptle
  - Build early development for Soptle Android App
  - Integrate with Firebase Database and Authentication Mechanism
  - Enable payment integration RazorPay

## **2. Sapsap Market Android App Development**

Period : Jul 2020 – Aug 2020

Client : Sapsap Market (from Fiverr)

Activity :

- Design UI for Grocery App called Sapsap Market
- Build early development for Sapsap market Android App
- Integrate with Firebase Database and Authentication Mechanism
- Enable payment integration using Credit/Debit Card and Paypal

## **3. Modular Quadcopter Drone**

Period : Des 2018 – Mar 2019

Client : Dirgantara Project (Team for Singapore UAV Competition)

Activity :

- Design Quadcopter 3D Model with modular capability.
- Assembly the electronic components within the Quadcopter Airframe
- Prepare production ready design for 3D Print and Laser cut
- Responsible to test and pilot the UAV

## **4. Multi-Terrain Quadcopter Drone**

Period : Jan 2018 – Mar 2018

Client : Dirgantara Project (Team for Singapore UAV Competition)

Activity :

- Design basic quadcopter 3D Model with Wheel Integration.
- Assembly the electronic components within the Quadcopter Airframe
- Prepare production ready design for 3D Print and Laser cut
- Responsible to test and pilot the UAV

## **5. Electric Passenger Aircraft Design**

Period : Aug 2018 – Des 2018

Client : Aircraft Design Course Assignment

Activity :

- Calculate required battery based on Performance Requirement
- Together with team determine the aircraft configuration.
- Responsible to deliver aircraft 3D Model based on the overall team calculations.

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### **Organization:**

#### **1. Keluarga Mahasiswa Teknik Penerbangan**

Period : Oct 2016 – Mar 2018

Experiences :

- Head of Competition and Creation Division (2017-2018)
- Head of Artistic Division in Aerocreation Committee (2017-2018)
- Head of Creative Division in KMPN Graduation Committee (2017)
- Staff of Documentation Division in KMPN Student Orientation Committee (2017)

#### **2. Aksantara ITB**

Period : Jan 2017 – Des 2017

Experiences :

- Staff of Payload and System Division
- UAV Pilot for Racing Plane

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**Honor and Awards:****1. SINGAPORE AMAZING FLYING MACHINE COMPETITION 2019**

Event Time : Mar 2019

Organizer : DSO Labolatory, Singapore

Award : Champhionship Award for Unconventional Flying Platform Category

**2. Brawijaya Copter Competition 2018**

Event Time : Nov 2018

Organizer : Universitas Brawijaya, Malang

Award : Second Place for Quadcopter Category

**3. MME National Exposition UI 2017**

Event Time : Nov 2017

Organizer : Universitas Indonesia, Depok

Award : First Place for Hovercraft Category

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**Languages:**

	<u>Speaking</u>	<u>Reading</u>	<u>Writing</u>
English:	Good	Good	Good
Indonesia:	Native	Native	Native

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