

Curriculum vitae

PERSONAL INFORMATION



Febby Purnama Madrin

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Sex Male | Date of birth 06/02/1994 | Nationality Indonesian

JOB APPLIED FOR

Trainee Software Engineer / Trainee Consultant in Project Management

WORK EXPERIENCE

17/07/2019–29/02/2020

University Research Assistant - HiWi

TU Ilmenau, Fakultät für Maschinenbau, Fachgebiet Qualitätssicherung und Industrielle Bildverarbeitung, Ilmenau (Germany)

- Develop a Calibrator for Spectrometer
 - make a LED Driver that produce stable and adjustable output current for High Power LED
 - make a GUI based on Qt platform
 - make a position controller for camera reader by using 3 servos
- Re-engineering the communication of Spectrometer Board
 - make a Qt program to read the data from the board by using LibUSB and visualize it

01/04/2017–30/06/2019

Project Manager / Electrical Engineer / Asset Manager

E Life Solutions PLT, Johor Bahru (Malaysia)

<http://www.elife-solutions.com/>

- Develop a new device or product (IoT related to medical/healthcare)
- Supervise subordinate and internship student
- Do the Electromagnetic Compatibility (EMC) study and survey in the PETRONAS's field/site
- Make a simulation by using CST/CDMGS for lightning assessment
- Manage the Office Assets

Business or sector Medical Health Device/Equipment, Consultant in EMC Field

01/01/2017–31/03/2017

IoT Engineer

PT Dycodex, Bandung (Indonesia)

<https://dycodex.com/>

- Make a new development board for study purpose for High-School students
- Handle and manage IoT Forum/Event in Indonesia, also as a Speaker
- Develop MagicBoard

Business or sector Internet of Things (IoT), Start-Up Company

EDUCATION AND TRAINING

- 01/09/2018–29/02/2020 **Master Degree in Biomedical Engineering**
 TU Ilmenau, Ilmenau (Germany)
 Thesis (got 1.7 on Presentation)
 Development of Tracker Device for Asset Management in a Hospital Environment
- 23/07/2012–27/07/2017 **Bachelor Degree in Electrical Engineering**
 Institut Teknologi Bandung, Bandung (Indonesia)

PERSONAL SKILLS

Mother tongue(s) Indonesian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
German	B1	B1	B1	B1	B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
 Common European Framework of Reference for Languages - Self-assessment grid

Communication skills

- I have good communication skills gained through my experience as Speaker for some IoT event
- Meeting and negotiating with Clients
- Projects Presentation with Clients

Organisational / managerial skills

- Project Manager
- Leadership - Vice President of Indonesian Society , Johor Bahru, Malaysia
- Leadership - President of Student Council - Senior High School

Job-related skills

- C , C++ , Basic Linux , JavaScript , Python
- Mentoring skills (Supervising internship students)

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital skills - Self-assessment grid

ADDITIONAL INFORMATION

Certifications

- Programmable Logic Control (PLC) | PT.CITA ITB
- Oil and Gas Safety Passport | NIOSH - PETRONAS
- Python and Django Full Stack Web Developer Bootcamp | Udemy (<https://www.udemy.com/course/191QZD00/>)

- React - The Complete Guide (incl Hooks, React Router, Redux) | Udemy (<https://www.udemy.com/course/22e9e39b-5601-49a0-97d8-c526e3e54a03/>)

Publications

- 5 numbers of Accepted Journal / International Paper in term of Electromagnetic and Lightning Interference,

https://www.researchgate.net/profile/Febby_Madrin

- Accepted Paper, Design and implementation of FPGA-based control for linear and circular motion interpolator of PCB CNC-milling and drilling machine

Honours and awards

- DAAD Scholarship Program | *Sponsorship from Professor trough DAAD funding*

- Erasmus+ Scholarship Program

- Bidikmisi Scholarship Program | *Full Scholarship for Bachelor Degree*

- Best Student Award in Senior High School