



## Muhamad Farhan Noor Adabi

*Mechatronics Engineer, UX Designer, Full Stack Developer*

4+ years experience in engineering roles

### Short Biography

Born : Bandung, November 5, 1996

Living : Kab. Bekasi

Jawa Barat, Indonesia, SEA.

Mobile/WA : +62 858-6028-5380

Email : farhan05111996@gmail.com

Website & Social Media :



[paankse.github.io/mfarhanna](https://paankse.github.io/mfarhanna)



Muhamad Farhan Noor Adabi



paankse

### Profile Summary

As a highly skilled Mechatronics Engineer with nearly four years of experience at an esteemed international manufacturing company, I have specialized in optimizing production processes within machines and production systems. My track record includes successfully leading a diverse range of improvement projects, from Kaizen initiatives to complex process enhancements and strategic headcount reductions, all meticulously aligned with organizational goals. Through my proficiency in identifying bottlenecks and inefficiencies, I have consistently delivered significant enhancements in productivity, efficiency, and cost-effectiveness. My collaborative approach and commitment to fostering a culture of continuous improvement have empowered cross-functional teams, resulting in streamlined operations and exceptional project outcomes. I am eager to leverage my expertise in driving further advancements in production processes and contributing to the continued success of any organization I join.

## Education



SMKN 13 Bandung | *Vocational High School* | 2012 - 2015

*Computer Network*



Politeknik Manufaktur Bandung | *Associate Degree (D3)* | 2015 - 2018

*Automation and Mechatronics* | GPA: 3.54/4.00

*Final Project :*

*Development of 2.5D mini PCB CNC Drill with Arduino Microcontroller and LabView Interface*

*System control X-ROV 6 Axis using Raspberry and LabView with PID controls*

## Work Experiences



PERUM PERURI

Nov 2014 - Feb 2015 | *Intern* | *Pengamanan Elektronik*

*Responsibilities :*

1. Maintain electronic devices such as CCTV and automated sliding for the confidential room.
2. Developing Microsoft Access Based Multiuser Form to enhance company registering their employee to BPJS Ketenagakerjaan



PT. Melu Bangun Wiweka

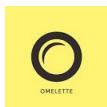
Mar 2017 - Dec 2017 | *Intern* | *Electrical Engineer*

*Responsibilities :*

1. Involved in company stone crusher machine project. Specifically involved in machine electrical drawing preparation, part commissioning, electrical panel development, machine electrical wiring, and PLC program pre-installation program.
2. Maintain electrical parts stock for general projects
3. Involved in maintaining on-site office containers for an oil company.

*Largest Project :*

Manage an overhaul project of on-site office container for an Europe oil company



## Omelette Bandung

Sep 2017 - Now | Self-Employed | Graphic Designer

### Responsibilities :

1. Design digital products such as logo, company business card, portfolio, banner, marketing staff, and portrait art. detail: Instagram: omelettebdg
2. Lead custom design project with a team of 3
3. Help a company to build their brand and how to apply their brand on the stuff for marketing, packaging, and operational purposes

### Largest Project :

Branding small new UMKM company which is running a Hydroponics Farming which is become a supplier at Sayurbox.com



## PT. NSK Bearings Manufacturing

Jul 2019 - Now | Full Time | Production Engineering Specialist

### Responsibilities :

1. as a Project Manager Initiating automation and mechatronics projects to gain company operational needs or to substitute man-powered processes to become automated.
2. Commissioning and developing new machines or digitalization systems to enhance production capability and quality requirement
3. Developing operation manual and procedure for new equipment or machine
4. As an Auto Visual System Specializing Staff, I am responsible to develop, maintain, and improvements in machine vision technology for company quality and production requirement
5. As a Full stack and UX developer, I was involved in developing digitalization software for the specific process and collaborating with existing ERP

### Largest Project :

1. Substitute manual visual inspection for assembly process into automated vision machine inspection in order to gain company efficiency target (12 persons a year)
2. Initiate Artificial Intelligent machine vision technology to enhance inspection capability in the production process
3. Involved in massive company global automation project to step-up production process and gain a high OEE in long-term project

## **Skills**

Languages	<i>Bahasa (Native), English (College Level)</i>
Hard skill	<p>Office :</p> <p><i>Microsoft Office (Excel, Word, PPT, Access, Outlook)</i></p> <p>Mechatronics :</p> <p><i>Programmable Logic Controller, Rule Base Image Processing - going to AI-based vision machine, Flexible Manufacturing System, Microcontroller Programming, System Development, Electrical Design, Mechanical Drawing, Manufacturing Process</i></p> <p>Design and Tech :</p> <p><i>UI/UX Design, Procreate, Illustrator, Corel Draw, Adobe XD, Figma, Web Design, HTML, CSS, JavaScript, PHP, Bootstrap, Python, Arduino, NI LabView</i></p>
Softskill	<p><i>Full Project Handle (from planning – technical – hand over to user), Cross Department and cross-company teamwork, flexible in working some jobs at the same time, Adaptable to new environments, have a high curiosity about something new.</i></p>

## **Certification and Others**

Coursera- Google: UX Designer | ongoing - Feb 2023

PLC Programming Contest | Siemens “Integrated Automation” – 2014

Kontes Robot Indonesia | Autonomous Soccer Robot Competition – 2019

Updated July 2023

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