



# YOVAN ALVIANTO

Software Engineer

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## SUMMARY

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Innovative and results-driven professional with 5+ years of experience as a data-driven software engineer and 13+ years of expertise in optimizing manufacturing processes. Specialized in building robust, scalable applications using C# and the Microsoft technology stack (.NET Core, ASP.NET, WinForms, SQL Server). Strong secondary proficiency in data science and machine learning.

## PROFESSIONAL EXPERIENCE

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### Production Innovation & Digital Transformation

Nov 2012 - Present

*PT. Panasonic Manufacturing Indonesia*

- Actively contributed in roadmap planning, developing, and deploying digital solutions as part of the company's digital transformation, achieved 30% manual process reduction.
- Developed end-to-end web apps using ASP.NET Core + SignalR & SQL Server for real-time spare parts inventory control solutions and BI dashboards. Save 80% from the manual transaction time & eliminate paper usage.
- Built C#/.NET Core desktop applications for production line monitoring system, integrated with real-time data communication via TCP/IP, for data auto-submission to SAP.
- Collaborated with other business unit to build finish goods traceability system, resulting 0 case of wrong product deliveries.
- Built API to integrate inventory data as part of the total maintenance system application
- Collaborated with cross-functional teams (Production, Engineering, IT Dept., etc.)

### Panasonic Technical College Japan

Jan 2018 - Mar 2019

*Panasonic HRDC, Osaka, Japan*

- Specialized comprehensive program blending technical skills, business management, and industry 4.0 practices.
- Gained hands-on experience in IoT development, smart manufacturing, and digital transformation projects.
- Trained in a Japanese environment, gaining cross-cultural communication skills and a high standard of discipline.

## SKILLS

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|-------------------------------------|----------------------------------|
| • C# / .NET Core Development        | • Data Science                   |
| • Web Development                   | • Machine Learning               |
| • Database (SQL Server, PostgreSQL) | • UI/UX Design                   |
| • Git & Version Control             | • AWS (Lightsail, Sagemaker, S3) |
| • Python                            |                                  |

## EDUCATION

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### Associate Degree in Information Systems (Manajemen Informatika)

Aug 2011 - Sep 2015

Universitas Bina Sarana Informatika

- GPA: 3.25/4.00

## PROJECTS

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<b>SpareSync + API</b> Web-based application for real-time spare parts inventory solutions.	<b>2023</b>
<b>Finish Goods Traceability System</b> Web-based solutions to trace product in real-time & prevent wrong product deliveries.	<b>2024</b>
<b>Production Monitoring System</b> Desktop-based applications to record production output and auto-submit to SAP	<b>2025</b>

## TRAINING & CERTIFICATIONS

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- Data Scientist Associate issued by Datacamp
- Cloud Practitioner Essentials (AWS) issued by Dicoding
- TOEIC issued by Educational Testing Service (ETS). **Score: 820/990**
- Japanese-Language Proficiency Test issued by Japan Educational Exchanges. **Level: N3**

## AWARDS

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- **2<sup>nd</sup> Winner of Panasonic Asia Pacific Cost Buster Competition in Singapore**  
“Low-cost Innovation: Spare Parts Barcode System using Python & Raspberry Pi.”

## LANGUAGES

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- Indonesian – Native
- English – Professional working proficiency
- Japanese – Intermediate proficiency