

Dewa Muharmadin

Software Engineer

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5+ years as a Software Engineer, I focus on creating high-performance systems, optimizing solutions, and driving seamless CI/CD processes, always pursuing the best and most efficient outcomes with an eager passion to learn and grow.

Work Experience

Software Engineer · The Software Practice Pte Ltd · Singapore, Singapore · Remote Feb '23 - Present

- In my capacity as a Developer at The Software Practice Pte Ltd in Singapore, my focus has been on collaborating with engineering teams and contributing to diverse projects. My responsibilities encompass active participation in the development process, emphasizing seamless integration and efficient workflows facilitated by Continuous Integration and Continuous Delivery (CI/CD) practices.
- Tech Stack : C#, Go, Javascript, Typescript, .NET, Gin, Express.js, Vue.js, SQL Server, MySQL, Redis, SonarQube, AWS(S3, EC2, EKS, SQS, SNS, Secret Manager), Azure(AKS, VM, AD, Blob Storage), Gitlab CI/CD, Git, OOP, Microservice(API Gateway), CI/CD, SOLID Principle, Design Pattern, ORM.

Software Engineer · Formulatrix Indonesia · Salatiga, Central Java, Indonesia · On-site Jan '21 - Jan '23

- As a Backend Software Engineer, my role revolves around research, development, and close collaboration with engineering teams, particularly within Formulatrix Inc in Bedford, MA and contributing to various project such as Cell Culture Automation and Reagent Exchanger Liquid Handling. I focus on system design, algorithm development, and the seamless integration of liquid handling automation, particularly in the domain of cell culture maintenance.
- Tech Stack : C#, Go, Javascript, Typescript, .NET, Gin, Express.js, React.js, SQLite, MySQL, Redis, ActiveMQ, Elasticsearch, Jenkins, Git, SignalR, OOP, Microservice(Service Registry), CI/CD, SOLID Principle, Design Pattern, ORM.

Software Engineer · BOSNET Distribution Indonesia · Jakarta Selatan, Jakarta, Indonesia · On-site Dec '19 - Dec '20

- As a Software Engineer specializing in Fullstack Development, I am responsible for the analysis, development, and deployment of projects utilizing a diverse technology stack. My primary focus is on collaborating with Solution Designers to fulfill client requirements effectively. I also develop new product to improve current company product service scope.
- Tech Stack : C#, Javascript, Typescript, .NET Framework, .NET Core, ASP.NET, WinForm, Angular, MySQL, PostgreSQL, SQL Server, Git, Store Procedure, OOP.

Laboratory Assistant · Basic Computing Laboratory | Telkom University Jun '15 - Jul '17

- Bandung, West Java, Indonesia · On-site
- As a Laboratory Assistant, the role involves supporting activities within the laboratory environment, particularly in the context of algorithm and programming courses. One of the notable examples includes assisting in Algorithm and Programming courses at the Basic Computing Laboratory, focusing on Pascal and C++ programming languages.
- Tech Stack : Pascal, C++

Education

SmallTalk2Me | Certificate Grad Mar '24

English Speaking Level Test

Credential : <https://app.smalltalk2.me/cert/7372e95f>

Google Certificate Google IT Support Specialization Credential : https://www.coursera.org/account/accomplishments/specialization/53MR4GAKXBE7	Grad Jan '24
IBM Certificate IT Scrum Master Specialization Credential : https://www.coursera.org/account/accomplishments/specialization/M3YV6JBBEUP6	Grad Jan '24
University of California Certificate Programming with Google Go Specialization Credential : https://www.coursera.org/account/accomplishments/specialization/RVHKK7ELJA2J	Grad Jun '22
Ministry of Communication and Information Technology of the Republic of Indonesia Certificate Big Data Analytics Credential : https://drive.google.com/file/d/1IQdgHqOBtAKx3YnnzMzUtleLCQe3UYYN/view	Grad Oct '19
Telkom University Bachelor of Engineering (BEng) Engineering Physics · Grade: 3.4 Activities and societies: · Dynamic System and Automatic Control Laboratory Member · Mechatronics Laboratory Member · Chess Club Member · Basic Computing Laboratory Assistant Projects: · Fuzzy Control Development for Supporting Energy Efficiency Smart Home	Grad Aug '19

Projects

BCA E-Giro • Central Payment Service My responsibility to deliver software aligning with specified requirements. My role encompasses ensuring the timely delivery of project requirements and implement base and most efficient outcome. <ul style="list-style-type: none"> · I have successfully delivered project requirements on schedule. · Involved designed microservice project to achieve most efficient and reliable system. · Tech Stack : C#, Go, Javascript, Typescript, .NET, Gin, Express.js, Vue.js, MySQL, Redis, SonarQube, AWS(S3, EC2, EKS, SNS, Secret Manager), Azure(AD), Gitlab CI/CD, Git, OOP, Microservice(API Gateway), CI/CD, SOLID Principle, Design Pattern, ORM. 	Dec '24
CAAS FlightSg • Flight Operations Management System My responsibility to deliver software aligning with specified requirements while leading a technical team to achieve set targets. My role encompasses ensuring the timely delivery of project requirements and effectively leading the technical team towards meeting our goals. <ul style="list-style-type: none"> · Successfully delivered project requirements on schedule. · Efficiently led the team to accomplish our targets. · Tech Stack : C#, Go, Javascript, Typescript, .NET, Gin, Express.js, Vue.js, SQL Server, Redis, SonarQube, AWS(S3, EC2, EKS, SNS, Secret Manager), Azure(AKS,VM,AD,Blob Storage), Gitlab CI/CD, Git, OOP, Microservice(API Gateway), CI/CD, SOLID Principle, Design Pattern, ORM. 	Mar '23
CELLMATIC • Automated Cell Culture The project revolves around Cell Culture Automation, designed to streamline cell handling processes, including feeding, splitting, and managing cells, allowing researchers to focus on their research endeavors. My responsibility involves integrating the Reagent Exchanger into the Cell Culture Automation suite. This integration aims to automate the handling of cell cultures, enhancing efficiency and minimizing manual labor in feeding and maintaining cell cultures. <ul style="list-style-type: none"> · Establishing a seamless and efficient connection between the Reagent Exchanger and the Cell Culture Automation system. · Delivering the integration promptly. 	Feb '21

- Tech Stack : C#, Go, Javascript, Typescript, .NET, Gin, Express.js, React.js, MySQL, Redis, ActiveMQ, Elasticsearch, Jenkins, Git, SignalR, OOP, Microservice(Service Registry), CI/CD, SOLID Principle, Design Pattern, ORM.

RX Changer • Reagent Exchanger Liquid Handling

Jan '21

The project involves the creation and implementation of the Reagent Exchanger, a standalone liquid handling system designed for cell plating and feeding tasks. This innovative system utilizes adaptable, reusable tips to swiftly remove spent media and delicately dispense fresh media, tailored for delicate cell types such as stem cells and organoids. Moreover, the Reagent Exchanger facilitates cell plating into 96- and 384-well plates, accelerating the production of assay plates post cell expansion.

- Successfully delivering the project early while optimizing the process by 60% compared to the previous version.
- Tech Stack : C#, Go, Javascript, Typescript, .NET, Gin, React.js, SQLite, MySQL, Jenkins, Git, SignalR, OOP, Microservice(Service Registry), CI/CD, SOLID Principle, Design Pattern, ORM.

BOSFLEET • Logistics and Delivery Management

Dec '19

The project revolves around developing the BOSFLEET Distribution Courier application tailored for delivery services. My responsibility entails creating a new application with ASP.NET for backend development, Angular for the frontend interface, and utilizing SQL Server for the database. I am tasked with the end-to-end design and implementation of the software architecture, encompassing the development of a robust backend infrastructure using ASP.NET, crafting an intuitive and engaging frontend interface using Angular, and establishing a reliable database structure using SQL Server.

- The objective is to deliver an efficient, scalable, and user-friendly application that optimizes delivery processes, and my achievement lies in successfully conceptualizing, designing, and executing the entire application's software architecture.
- Tech Stack : C#, Javascript, Typescript, .NET Framework, .NET Core, ASP.NET, WinForm, Angular, PostgreSQL, Git, Store Procedure, OOP.

BOSNET • Enterprise Distribution Management System

Dec '19

The project involves the development, feature enhancement, and support of the BOSNET Distribution Management System for various clients, including Astra Otoparts, British American Tobacco (BENTOEL), Shell Indonesia, Japan Tobacco International (JTI), Kimia Farma Trading, among others. My role encompasses the responsibility to expand functionalities, develop new features, and provide ongoing support for these applications. I aim to ensure timely and effective delivery of the application by meeting project deadlines and delivering solutions that meet the clients' needs and expectations.

- Consistently delivering the application promptly and efficiently, meeting the outlined objectives and effectively supporting the clients' operations.
- Tech Stack : C#, .NET Framework, .NET Core, ASP.NET, WinForm, MySQL, SQL Server, Git, Store Procedure, OOP.

Links

Personal Website	dewabuanam.com
Portfolio	portfolio.dewabuanam.com
Personal Project	project.dewabuanam.com

Skills

Language: C# · Go · Javascript · TypeScript

Framework: Express.js · Gin · Vue.js · .NET · React.js

Database: MongoDB · SQLite · PostgreSQL · MySQL · Redis · SQL Server

Tools: Git · Jenkins · SignalR · Azure · AWS · Microservices · Linux · ActiveMQ · Sonarqube · Docker

Other: Agile Methodologies · CI/CD · Design Patterns · Risk Management · SOLID Principles · Conflict Resolution · Scrum Master · Object-Oriented Programming (OOP) · Object-Relational Mapping (ORM)