

ARTHUR SIMBULAN

Senior Full Stack Engineer

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SUMMARY

I build things that work. From .NET, Python, and Node.js backends to React, Angular, and Vue.js frontends to AI-powered automation, I've shipped products that make businesses run smoother and people's lives easier. I don't just write code — I connect the dots between engineering, product, and real-world impact with over 8 years of experience. Extensive experience in building platforms, data syncing, and integrating with CRM, ERP, and e-commerce.

WORK EXPERIENCE

Senior Software Engineer, Tyfoom

May 2023 - present

- Developed and maintained core features of employee engagement and microlearning platform, building .NET APIs and Laravel backends and integrating with Azure cloud services.
- Implemented dynamic Angular front-end components to deliver seamless video training, forms, and real-time web socket communication features across web and mobile.
- Built Python services for automation, data processing, and analytics pipelines to track engagement and training compliance.
- Enhanced platform scalability and reliability through microservices architecture and optimized SQL/NoSQL database queries.
- Partnered with product and design teams in Agile sprints to deliver new modules, improve UX, and ensure high adoption rates among enterprise clients.
- Strengthened DevOps workflows by implementing CI/CD pipelines and automated testing, reducing release time and improving deployment quality.
- Maintained Event-Driven architectures with messaging protocols such as Kafka and RabbitMQ, reducing processing times by 23%
- Enforced the security, scalability, and performance of applications deployed on AWS, achieving 99.9% uptime and reducing security vulnerabilities. Optimized infrastructure to respond to a 18% increase in traffic, scaling up the application performance by 37% and reducing cost by 21% through efficient resource allocation.

- Arranged with network administrators, systems analysts, and software engineers to fix software issues, reducing system downtime by 35% and elevating issue resolution time by 40%. Assisted in troubleshooting software products and company systems, decreasing recurring incidents by 21%

Software Engineer, Eclaro

Nov 2022 - Apr 2023

- Designed and developed SaaS web applications for the global clients, building secure and scalable .NET and Node backend APIs with SQL/NoSQL databases.
- Delivered responsive, user-friendly Angular front-end interfaces, improving usability and engagement across enterprise platforms.
- Created Python automation scripts to streamline business operations and reporting.
- Collaborated with cross-functional teams in the U.S. and Philippines to implement custom solutions tailored to client needs.
- Applied Agile methodologies, contributing to sprint planning, daily standups, and code reviews to ensure quality and timely delivery.
- Strengthened delivery by implementing CI/CD pipelines and automated testing, reducing deployment errors and accelerating release cycles.
- Integrated Generative AI models with ecommerce platform to enhance product personalization, improving user engagement by 30%.
- Developed cloud-based application for manipulating large volumes of financial data, analyzing and processing over 1 million rows of data employing Vue.js, Microsoft SQL, Azure Data Bricks, Azure SQL, Snowflake, and Oracle

Full Stack Engineer, Cressoft Consultancy Limited

Mar 2020 - Oct 2022

- Developed and maintained 2 full-scale financial applications by utilizing React.js, Node.js, Python
- Delivered custom software solutions for mid-market clients in financial services, IT, and media, using .NET for backend APIs and services.
- Built scalable, interactive Angular front-end applications with reusable components and responsive design.
- Modernized enterprise systems by implementing cloud-ready architectures, DevOps pipelines, and microservices to replace legacy apps.
- Partnered directly with client stakeholders to gather requirements, design solutions, and deploy production-ready features in Agile sprints.
- Enhanced delivery by introducing CI/CD pipelines (Azure DevOps) and improving test coverage, reducing deployment risks.
- Wrote clean, maintainable, and efficient code for 2 internal tools and automation efforts, upgrading operational efficiency by 40%.

Full Stack Developer, Yondu, Inc**Jul 2018 - Feb 2020**

- Designed and developed enterprise web applications for the clients using .NET for back-end APIs and React.js for responsive, user-friendly front-ends.
- Built Python automation tools and data processing services to support analytics, reporting, and workflow optimization.
- Contributed to the development of eCommerce solutions and business systems, including order management, payment integrations, and mobile-ready platforms.
- Modernized legacy client applications by implementing cloud-native architectures and microservices, improving scalability and reliability.
- Collaborated with cross-functional teams and stakeholders in Agile sprints, from requirements gathering through deployment.
- Improved delivery pipelines by setting up CI/CD workflows and automated testing, reducing deployment time and increasing release stability.

Junior Web Developer, Bolton International**June 2017 - May 2018**

- Assisted in developing web applications using .NET for backend services
- Built small Python scripts for data processing and automation tasks.
- Collaborated with the team to implement features, fix bugs, and improve user experience.
- Participated in Agile sprints, code reviews, and testing to support project delivery.
- Maintained documentation and supported deployment of updates to client applications.

EDUCATION

Bachelor's Degree in Computer Science | FEU Institute of Technology

Sep 2014 – May 2017

SKILLS**Programming Languages & Frameworks:**

- Languages: C#, PHP, JavaScript, TypeScript, SQL
- Frameworks & Libraries: .NET 5/6/7/8 framework .NET Core, .NET MVC, ASP.NET, ADO.NET, Blazor, Blazor Server, Blazor Web Assembly, Django, Node.js, Nest.js, Angular, React.js, Next.js, Redux, jQuery, Bootstrap, Entity Framework, WCF, WPF, VB.NET, HTML, CSS

Cloud & Database:

- Cloud Platforms: AWS, Azure
- Database: PostgreSQL, MongoDB, SQL Server, GraphQL, Firebase

Software Development & Architecture:

- Software Development Life Cycle (SDLC): Agile Methodologies, Scrum, Continuous Integration, TDD, CICD, DevOps
- Architecture & Design: Microservices, Web API, RESTful Services, MVC, SOAP, JSON, Scripting
- Version Control & Collaboration: Git, GitHub

Testing & Automation:

- Testing Frameworks: XUnit, NUnit, Jest, Pytest, Unit Testing, Code Review
- Automation Tools: Docker, Kubernetes, Terraform, Jenkins

Development Tools & IDEs:

Visual Studio, Cursor AI, Slack, Jira, Trello, Clickup

Methodologies & Best Practices:

- Agile Practices: Scrum, Kanban, Sprint Planning, Retrospectives
- Development Best Practices: Continuous Integration, Code Review, Optimization, Performance Tuning, Secure Coding, Test-Driven Development (TDD), Object-Oriented Programming(OOP), Design Patterns