

MARK NESTOR ARENILLO

Software Engineer

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Pasig City, Philippines



EDUCATION

University of the Philippines Los Baños

Bachelor's Degree in Computer Science
Cum Laude
2018 – 2022

FOCUS AREAS

- Web Application Development
- Systems Integration & Event-Driven Architectures
- Cloud Infrastructure & DevOps
- Database Management
- Scrum and Agile Methodologies
- Robotic Process Automation
- Machine Learning

TECHNICAL SKILLS

- .NET, C#
- ReactJS, HTML, CSS
- JavaScript and TypeScript
- REST APIs
- Microsoft SQL Server
- Azure (DevOps, Service Bus, App Service, Web Jobs, Functions, AKS)
- Github
- AWS SNS
- Kubernetes
- Datadog
- Terraform
- Python
- TensorFlow

SOFT SKILLS

- Critical Thinking
- Communication
- Technological Adaptable
- Detail-Oriented
- Resourceful
- Self-Managed
- Team Player

PROFESSIONAL EXPERIENCE

Software Engineer

EROAD | June 2025 – Present

- Built and maintained Dispatch Management integrations, ensuring reliable job flow from third-party systems into EROAD 360 and Drive for enterprise construction customers.
- Led migration of ServiceBusToSNS from legacy Azure Functions to containerized workers on AKS, with end-to-end CI/CD via GitHub Actions.
- Managed cloud infrastructure with Terraform and Kubernetes, including Service Bus resources, secrets, and decommissioning of legacy VMs/Function Apps.
- Stabilised integrations with external dispatch systems resolving production issues and improving data accuracy.
- Created deployment runbooks, local testing guides, and onboarding material, improving team ramp-up and reducing operational risk.
- Collaborated across teams to align technical decisions, share context, and support cross-squad delivery.

Software Developer

Tyler Technologies | May 2024 – June 2025

- Contributed to cloud migration efforts by converting a Windows app-based ERP Pro software to a cloud-based solution using .Net.
- Identified bottlenecks, optimizes existing code and fixes technical debts for performance and scalability of the cloud app.
- Facilitated and led code reviews and knowledge-sharing sessions.

Software Engineer

Nimbyx | September 2022 – May 2024

- Designed, developed and tested web and mobile applications, software robots and integration services.
- Product engineered web applications such as ALINA and Evident thru collaboration with product owners to adapt to the changing business model of the organization and needs of the customers.
- Drive continuous learning and improvement within the team.
- Communicate project deliverables to stakeholders.
- Projects:
 - FTP File Downloader and Printer Automation App
 - ALINA Order Tracking Portal
 - Revamp of Evident Designer, Lab and Admin Portals

Machine Learning Engineer

Nimbyx | March 2022 – September 2022

- Trained machine learning models that automates the generation of dental restoration CAD designs.
- Developed a solution for speeding up the manual process of designing a dental tooth crown using CNN model and Meshmixer API.