MARK BRIANE P. TUGADE

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PROFESSIONAL SUMMARY

System Developer with 5+ years building internal business systems (HR, payroll, finance, approvals) in logistics. Skilled in C#/.NET Windows applications, ASP.NET Web Forms and Blazor web development, and modernizing legacy apps. Uses AI coding agents in daily work: writes the plans and specs, has the agents build, then reviews every change and runs the tests. Rebuilt an in-house HR and payroll system this way as an ASP.NET Core API with a React front end, and builds a Flutter + Supabase mobile app on the side. QA background in defect prevention and root-cause analysis. Expanding into cloud (Azure) and low-code platforms (Power Apps/Automate, Base44).

TECHNICAL SKILLS

- **Languages:** C#, JavaScript, Python, T-SQL, HTML5, CSS3, XML, JSON
- **Frameworks / Platforms:** ASP.NET Web Forms, Blazor (MudBlazor), .NET Framework, Windows Forms / services, Power Platform (Power Apps, Power Automate), Base44
- **AI-assisted development:** Claude Code, Google Antigravity (Gemini)
- **Also used (AI-assisted):** ASP.NET Core (.NET 10), Entity Framework Core, React, TypeScript, Flutter, Dart
- **Databases:** Microsoft SQL Server, PostgreSQL (Supabase), Firebase
- **Tools & Deployment:** Visual Studio, VS Code, Git / GitHub, IIS, Vercel, Azure AD (D365 sign-in), Jira
- **QA / Testing:** Defect & Root Cause Analysis, Manual/Functional Testing, Regression Testing

PROFESSIONAL EXPERIENCE

Freelance Web and Systems Developer | Simple Systems Lab (simplesystemslab.com) | *Jun 2026 – Present*

- Built six Base44 website foundation designs for the company's launch, now part of its website library.
- Build and customize client websites, business system apps and client portals on Base44, with integrations.
- On-call technical partner: maintenance, bug fixes, enhancements and consultation, answering within 24 hours.

System Developer | Yusen Logistics Philippines, Inc. | *Jul 2021 – Present*

- Built the in-house HR and payroll system in Blazor, then led its rebuild (ASP.NET Core API + React) with AI agents: approval flow engine, attendance-checked leave and overtime filing, biometric sync; replacing a paid HRIS.
- Turned a group financial consolidation spreadsheet into a multi-user Blazor + MudBlazor web app (one source of truth), after first standardizing the workbooks with Python.
- Built PO approval, cheque monitoring, revolving fund and user management apps; rebuilt the travel order and IT access request apps; maintained and extended the requisition app and the portal (Web Forms, SQL Server).
- Modernized legacy ASP.NET Web Forms apps and moved internal RDP applications to the web.
- Built an IT chatbot and issue tracker on Power Apps and Power Automate to reduce direct IT inquiries.
- Provided Tier-2 technical support, troubleshooting and resolving bugs to keep systems stable.
- Created detailed technical documentation to streamline onboarding and knowledge transfer for new developers.

Quality Assurance Tester | Journeytech Inc. | *Apr 2021 – Jun 2021*

- Conducted manual, functional, and regression testing; tracked high-priority defects in Jira so critical issues were resolved before production release.
- Collaborated with cross-functional teams to identify root causes and prevent recurring bugs.

Programmer Intern | Yusen Logistics Philippines, Inc. | *Nov 2018 – Feb 2019*

- Developed an inventory management system using an Android QR/Barcode scanner, a Windows monitoring console, and Firebase for real-time data synchronization, replacing manual logging with cloud-based tracking.

PERSONAL PROJECTS

- **Pasabuy (2026, in development):** office errand and group-buy app built with AI coding agents under my plans and reviews. Flutter, Supabase (PostgreSQL), PayMongo (test mode).
- **Funnel Template Builder (2026):** my own web tool, used by Simple Systems Lab: brands Systeme.io funnel templates, code and text editors, Gemini AI page redesign, export (JavaScript, Vercel).

EDUCATION

Bachelor of Science in Information Technology (BSIT) | College of Saint Adeline | *2015 – 2019*