Bel Ian G. Padua

SYSTEMS & WEB DEVELOPER | IT PROJECT MANAGER

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EDUCATION AND CERTIFICATIONS

Computer Programming (Systems Technology Institute - STI) | 1996 – 1998

Electronics Technology (Don Bosco Technical College) | 1988 – 1992

Certifications:
Java Programming NC III (December 2025), 120-Hour TEFL Certification, Grapeseed Certified, Humax Digital Satellite Maintenance (Dubai).

TECHNICAL SKILLS

- **Software Development:** Python, Java, JavaScript, C++, C#, PHP, SQL, Visual Basic, Legacy (COBOL, FoxPro, Pascal).
- **Web & UI/UX:** HTML5, CSS3, Web Design, AI-Assisted Prompts, Joomla, Adobe Products.
- **Systems & Infrastructure:** Windows/Linux/Mac OS, Active Directory, VMware, Hyper-V, NetSuite.
- **Network & Security:** Cisco Routing/Switching (CLI), Fiber Optic Splicing/Testing, Firewall Management (ASA, Check Point), CCTV Systems & Architecture.
- **Database Management:** MySQL, MS SQL Server, phpMyAdmin, Oracle.

PROFESSIONAL OVERVIEW

IT Systems & Web Developer with over 25 years of cross-functional experience in IT infrastructure, software engineering, and technical education. Expert in bridging the gap between legacy systems (COBOL, FoxPro) and modern web architectures (JavaScript, Python, Java). Proven track record of managing complex IT projects across the Middle East, Mongolia, and the Philippines, specializing in end-to-end system design, network security, and database management. Combines deep technical "under-the-hood" knowledge with a contemporary focus on UI/UX and AI-assisted development to deliver scalable, business-driven solutions.

WORK EXPERIENCE

TEFL & Computer Science Educator | *Ikh Zasag International University, Mongolia* | **Oct 2021 – June 2025**
- Designed and taught curriculum for **Computer Coding** (Python, Java, JS) and **Web Design** using AI-assisted tools.
- Instructed students in **AutoCAD** and UI/UX development principles.

IT Specialist & IT Manager (Various Roles) | *ASR Learning / Modern Trend / Freelance* | **2003 – 2024**
- Managed enterprise-level server environments (Windows Server 2003/2008), ensuring 99.9% uptime.
- Architected LAN/WAN infrastructures, including fiber optic migration, VoIP (PBX) implementation, and VPN security.
- Developed custom business logic and software solutions for diverse clients using Visual Basic and SQL.

Customer Service Advisor / Trainer | *Concentrix / Alorica* | **Feb 2016 – July 2021**
- Provided high-level technical support and account resolution for international telecommunications accounts.
- Trained new hires on process flows, technical proficiency, and English communication.

SCM Buyer / Supply Chain Specialist | *Equipment Engineer's Inc. (EEI)* | **Jan 2015 – Jan 2016**
- Optimized supply chain efficiency using **SAP** and **NetSuite**, managing logistics and procurement for large-scale projects.

IT Administrator / IT Engineer | *Al-Gamdhi / Alamjaad Est., KSA* | **June 2003 – Jan 2014**
- Directed IT operations in Jeddah, focusing on Windows Server management, Active Directory, and Network Security.
- Performed board-level electronic repairs and fiber optic installations across multiple Saudi Arabian branches.

Project Manager / Web Developer | *iBrains Technologies Corp.* | **June 2009 – Dec 2009**
- Led full-stack development teams (HTML/CSS/JS) and managed database integrity and API functionality.
- Designed integrated security architectures combining CCTV, access control, and network monitoring.

AWARD

Outstanding Employee of the Month - Channel Technologies, Inc.

KEY PROJECTS & TECHNICAL PORTFOLIO

REFERRAL

DR. REY EVASCO
FORMER Director of
PATENTS
09178147826

DR. RAMON REYES
CARDIOLOGIST, ST. LUKES
Q,C,
09209551040

LANZ SEMBRANO
TEAM
LEADER(CONCENTRIX)
09176490701

PROJECT 1: MODERN HEADLESS CMS BLOG & PORTFOLIO ARCHITECTURE

- Description: Designed and deployed a high-performance, SEO-optimized blog and professional portfolio using a decoupled architecture. This project focused on lightning-fast page loads and a seamless content authoring experience, moving away from traditional monolithic CMS limitations. https://nuxtsanityfrontend.vercel.app/
- Role: Full-Stack Developer / UI Specialist
- Team Size: 1 (Independent Development)
- Tech Stack: Nuxt.js (Vue.js Framework), Sanity.io (Headless CMS), GROQ (Query Language), Tailwind CSS, Netlify/Vercel.
- Architecture: JAMstack (JavaScript, APIs, and Markup). By leveraging Sanity.io as a structured content lake and Nuxt.js for server-side rendering (SSR) and static site generation (SSG), the system ensures high security and near-instantaneous navigation through optimized API fetching and image CDN delivery.

PROJECT 2: JAVA-BASED LIBRARY MANAGEMENT SYSTEM (LMS)

- Description: Developed a comprehensive desktop application for automated book tracking, member registration, and circulation management for our final TESDA training project. The system replaced manual logging with a digital database featuring real-time availability tracking and automated fine calculation for overdue returns.
- Role: Lead Systems Developer
- Team Size: 7 (Independent Development)
- Tech Stack: Java (JDK 8+), Swing (GUI), JDBC, SQLite/MySQL, NetBeans IDE.
- Architecture: MVC (Model-View-Controller) Architecture. This separation ensured that the database logic (Model) remained independent of the user interface (View), allowing for easier updates to the reporting and search functionalities (Controller) without compromising data integrity.

PROJECT 3: ENTERPRISE BIR ZONAL VALUE PLUGIN

- Description: Developed a specialized WordPress plugin for the Philippine real estate market to automate the calculation of Bureau of Internal Revenue (BIR) Zonal Values. The system featured a hierarchical cascading dropdown for Regions, Provinces, and RDOs.
- Role: Lead Developer & Database Architect
- Team Size: 1 (Independent Project)
- Tech Stack: PHP, WordPress (Plugin API), MySQL, JavaScript (Ajax), CSV Data Validation.
- Architecture: Monolithic Plugin Architecture with a custom relational database schema for high-speed query performance of thousands of zonal records.

KEY PROJECTS & TECHNICAL PORTFOLIO

PROJECT 4: INTERNATIONAL UNIVERSITY IT CURRICULUM & LAB MIGRATION (IKH ZASAG)

- Description: Oversaw the technical transition and modernization of the IT laboratory and curriculum for a multi-grade international school system in Ulaanbaatar, Mongolia.
- Role: IT Project Lead / Senior Instructor
- Team Size: 5 (IT Staff and Assistant Teachers)
- Tech Stack: Python, Java, AutoCAD, Windows Server, AI-Assisted UI/UX Tools.
- Architecture: Client-Server Lab Environment with centralized deployment of development IDEs and cloud-integrated student progress tracking.

PROJECT 5: INTEGRATED SECURITY & WEB PRESENCE DEPLOYMENT

- Description: Designed and implemented a dual-purpose infrastructure for a technology firm, combining a public-facing CMS-based web portal with an internal, high-security CCTV and Network Monitoring system.
- Role: Project Manager / Full-Stack Developer
- Team Size: 4 (Developers and Hardware Technicians)
- Tech Stack: HTML, CSS, jQuery, Joomla/Drupal (CMS), phpMyAdmin, MySQL, Hikvision VMS.
- Architecture: Hybrid Cloud-On-Premise; Web application hosted externally with internal secure tunneling for the integrated VMS/NVR security data.

PROJECT 6: MULTI-BRANCH FIBER OPTIC NETWORK MIGRATION(BARNIE'S CAFE)

- Description: Executed a nationwide (KSA) migration from copper-based cabling to fiber-optic networks across major satellite and communication hubs to increase data throughput by 10x.
- Role: Lead IT Engineer
- Team Size: 6 (Engineers and Cable Splicers)
- Tech Stack: Cisco IOS, Fiber Optic Splicing (OTDR Testing), PABX Systems (Avaya/Nortel).
- Architecture: Star Topology Network with a Fiber-to-the-Desk (FTTD) implementation and redundant hardware failover.

PROJECT 7: LEGACY FINANCIAL SYSTEM MIGRATION (FREELANCE/CONSULTANCY)

Description: Maintained and optimized critical business logic for a legacy accounting system while planning the data migration strategy to modern Windows-based environments.

Role: Systems Analyst / Programmer

Team Size: 2 (Self and Client IT Head)

Tech Stack: DBase V, Clipper, Visual Basic 6.0, MS SQL Server.

Architecture: File-Server Architecture (Legacy) transitioning to a N-Tier Architecture using Visual Basic as the front-end and SQL Server as the persistent data layer.