

# ASNARI PACALNA

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## PROFESSIONAL SUMMARY

Full Stack Developer who architectures and builds complex, data-driven applications. Passionate about leveraging AI and modern backend technologies to solve real-world business and governance challenges. Proficient in the full development lifecycle, from technical design and monorepo architecture to scalable deployment.

## EDUCATION

### University of Mindanao Digos College

Bachelor of Science in Information Technology

**Relevant Coursework:** Web Development, Database Management, Software Engineering, AI & Machine Learning

## TECHNICAL SKILLS

**Frontend:** Next.js, React, TypeScript, TailwindCSS, shadcn/ui, Zustand, TanStack Query, React Hook Form

**Backend:** Python (FastAPI, SQLAlchemy), Node.js, Celery, Redis

**Databases:** PostgreSQL, MySQL, Supabase

**AI & Automation:** Google Generative AI (Gemini), LLM Integration, n8n

**DevOps & Tools:** Docker, Git, GitHub, Azure, pytest, Vercel

## FEATURED PROJECTS & ACHIEVEMENTS

### SINAG — Government Compliance Assessment Platform Next.js 15, FastAPI, PostgreSQL, Gemini AI

- Full-stack assessment platform digitizing DILG's barangay governance certification for 25 barangays
- Built type-safe monorepo with auto-generated TypeScript client from OpenAPI, supporting 6-role validation workflow
- Integrated Gemini AI for automated compliance scoring and AI-generated improvement recommendations
- Features multi-stage validation workflow, document annotation system, and real-time analytics dashboard

### DTP GO - QR Code-Based Attendance System

Next.js 15, TypeScript, Supabase, Prisma

- QR code-based attendance tracking system serving 1,000+ BSIT and Computer Engineering students
- Eliminates registration queues with instant QR scanning and one-time student registration process
- Features real-time analytics dashboard and automated reporting with role-based access control

### UMDC Community Extension Management System

TypeScript, React, Node.js

- Developed enterprise web platform for University of Mindanao Digos College's community extension programs
- Built secure TypeScript-based architecture for community programs and participant data management
- Integrated real-time analytics and reporting system improving program tracking efficiency by 60%

**Awards:** HackForGov (5th Place), IDEAS Plugin (Best Pitch), Ideation Bootcamp (Champion)

**Certifications:** Google UX Design (Coursera), Introduction to Cybersecurity (Cisco Networking Academy), n8n (Coursera)