GENE RYAN DEPALUBOS

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PROFESSIONAL SUMMARY

Versatile Full-Stack Developer with expertise in AI-powered solutions, web security, and modern application development. Experienced in building intelligent systems using LLMs, vector databases, and cloud services. Proven problem-solver combining strong technical skills with a security-first mindset.

EDUCATION

University of Mindanao Digos College

Bachelor of Science in Information Technology

Relevant Coursework: Software Development, Cybersecurity, LLM Integration

TECHNICAL SKILLS

Languages:	TypeScript, JavaScript, Python, SQL, HTML/CSS
Frontend:	React, Next.js, React Native, Electron, D3.js, Tailwind CSS, Zustand, React Query
Backend & APIs:	Node.js, Express, FastAPI, REST APIs, WebSockets, JWT, OAuth
AI & ML:	LLM Integration, LangChain, HuggingFace, Vector Database, Embedding APIs, Tesseract, Azure Vision
Cloud & DevOps:	AWS, Azure, Docker, Nginx, Git, GitHub Actions, Semgrep, Trivy
Databases:	PostgreSQL, MongoDB, NoSQL, Redis, Supabase, Firebase
Testing:	Vitest, Pytest, Playwright

FEATURED PROJECTS & ACHIEVEMENTS

SINAG - Governance Assessment Platform for DILG   *React, TypeScript, FastAPI, PostgreSQL, Cerebras*

- Developed enterprise-grade governance assessment platform for DILG's Seal of Good Local Governance for Barangays (SGLGB) program
- Architected full-stack monorepo with Next.js 16, FastAPI, PostgreSQL (Supabase), Redis, and Docker for scalable multi-role workflow management
- Integrated AI-powered recommendations and insights to provide actionable capacity development (CapDev) solutions for barangay governance improvement

Gnosis — AI-Powered Semantic Mind Mapping Engine   *TypeScript, React, D3.js, Voyage AI, Qdrant, Cerebras*

- Built a real-time semantic mind-mapping engine that creates dynamic, interconnected knowledge graphs powered by AI
- Implemented vector embeddings with Voyage AI and Qdrant for intelligent semantic search and concept matching
- Developed interactive force-directed graph visualization using D3.js with real-time updates as users explore topics

Awards: Province Startup Competition 2nd Place (2025) • HackForGov 5th Place (2024) • UMDC IT Hackathon Champion (2023)

RELEVANT EXPERIENCE

Full-Stack Developer   *October 2025 - December 2025*

Taxed GmbH

- Developed an AI-powered long-term memory application utilizing vector databases for efficient semantic search and retrieval
- Integrated Large Language Models (LLMs) to enable intelligent context-aware interactions and memory management
- Implemented Azure Vision services for image processing and visual content analysis capabilities
- Built full-stack architecture combining modern frontend technologies with robust backend infrastructure for AI solution delivery

Data Labeling Specialist   *August 2024 - June 2025*

start.ai

- Specialized in high-quality data labeling for machine learning algorithm training, focusing on image and video content analysis
- Performed comprehensive labeling of TikTok videos and multimedia content using advanced annotation tools for computer vision models
- Contributed to data classification projects with rigorous quality assurance processes, ensuring accurate training datasets for AI algorithms
- Collaborated with cross-functional teams including project managers and quality assurance specialists to deliver precise labeled data