

REY DENZO

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PROFESSIONAL SUMMARY

Results-driven Software and Cloud Engineer graduated Cum Laude with hands-on experience in full-stack web, mobile, and AI/ML development. Proven ability to architect and deliver scalable applications for government, agriculture, and education sectors. Adept at bridging technical logic and user-centric design to create seamless, impactful digital experiences.

EDUCATION

Biliran Province State University

2022 – 2026

Bachelor of Science in Computer Science — Cum Laude

EXPERIENCE

Software Engineer Intern

2026

Rameses Systems Inc.

- Developed 4 production-grade systems (SigniStruct, Signify, Project Structura, and Filipizen) spanning civic services, digital signing, and project management domains
- Engineered Filipizen, a full-stack civic services platform with QR-based WebSocket authentication, role-based dashboards, and real-time transaction tracking
- Built SigniStruct, a secure document workflow platform featuring RSA cryptographic signing, certificate-based verification, multi-signer workflows, and audit logging
- Implemented event-driven architectures with RBAC routing, immutable status-history arrays, and MongoDB TTL indexes

Web Application Developer Intern

2025 – 2026

BiPSU School of Teacher Education

- Developed SubtractEd, an educational web platform utilizing subtractive learning approaches to simplify complex topics for teacher education students
- Built E-Linangan, an interactive educational platform focused on medieval history with dynamic resources for classroom integration
- Collaborated directly with department students and faculty stakeholders to translate pedagogical requirements into functional application features

Mobile Application Developer Intern

2024 – 2025

Office of the Provincial Agricultural Services, Naval, Biliran

- Architected OPAS, a cross-platform agricultural marketplace using Flutter and Django REST Framework with role-based routing for buyers, sellers, and administrators
- Implemented a demand and price forecasting pipeline using SARIMA/ARIMA models with Celery background processing and automated stale-forecast monitoring
- Designed a governed marketplace with seller approval workflows, price ceiling enforcement, Firebase Cloud Messaging notifications, and comprehensive audit trails

Freelance / Self-Employed

- Designed and developed academic research systems and software projects for various clients and personal use
- Delivered full-stack web applications spanning data analytics, API integration, and serverless architectures
- Managed end-to-end project lifecycles from requirements gathering through deployment

PROJECTS

Filipizen*TypeScript, React, Node.js, Express.js, MongoDB, Socket.IO, JWT*

A Philippine local-government services portal connecting citizens, LGU staff, and system administrators. Features QR-based WebSocket sign-in, service discovery, transaction submission, real-time status tracking, and multi-jurisdictional administrative dashboards.

OPAS Mobile Application*Dart, Flutter, Django REST Framework, PostgreSQL, Celery, Riverpod*

A role-based agricultural commerce platform connecting buyers, sellers, and administrators. Includes product marketplace, seller onboarding, price regulation governance, and data-driven demand/price forecasting using SARIMA and ARIMA models.

SigniStruct*TypeScript, React, Node.js, Express.js, MongoDB, GridFS, RSA Cryptography*

A secure document workflow platform for creating, signing, and verifying documents. Features PDF editing with field overlays, digital signature management, certificate-backed cryptographic verification, multi-signer workflows, and audit logging.

E-Linangan*JavaScript, Node.js, Express.js, MongoDB, JWT*

An interactive educational platform focused on medieval history with dynamic resources designed for classroom integration in teacher education programs.

SubtractEd*React, TypeScript, Node.js, Service Workers*

An educational platform that utilizes subtractive learning methodologies to simplify complex academic topics, developed for use by teacher education students.

DecisionPulse*Python, JavaScript, Firebase, scikit-learn, pandas*

An analytical tool that calculates course acceptance probabilities using historical enrollment data, helping students make datainformed academic decisions.

GitHub Explorer*JavaScript, GitHub REST API, Chart.js, Firebase*

A dynamic application enabling users to search, browse, and analyze GitHub profiles and repositories through an intuitive interface.

Serebook*JavaScript, React, TheMealDB REST API, Firebase*

A serverless recipe management application for seamlessly organizing, discovering, and managing favorite dishes with cloudbacked persistence.

TECHNICAL SKILLS

Languages: Dart, TypeScript, JavaScript, Python, Java, PHP

Frameworks: Flutter, Node.js, Express.js, Next.js, Django, Django REST Framework, Spring Boot, Laravel, Ruby on Rails, Celery

Libraries: React, React Router, Zustand, Material UI, Chart.js, Recharts, Mongoose, Socket.IO, Riverpod

Databases: PostgreSQL, MongoDB, MySQL, MariaDB, DynamoDB, SQLite

Cloud & DevOps: GCP, AWS, Azure, Docker, Kubernetes, Terraform, GitHub Actions, Firebase

AI & ML: TensorFlow, PyTorch, LangChain, OpenAI, Hugging Face, pandas, NumPy, scikit-learn

Tools: Git, GitHub, GitLab, Vite, OAuth, JWT

AWARDS & HONORS

ICT Diagnostic Examination (Written)	<i>DICT Region VIII</i>	2025
Eastern Visayas Coding Olympics S2 — 5th out of 18 Schools	<i>PSITE Region VIII</i>	2024
Philippine Startup Challenge — Regional Qualifier	<i>DICT</i>	2024
National Programming Challenge — Qualifier	<i>CodeChum</i>	2024
Tech Trivia Competition — Champion	<i>BiPSU CS Society</i>	2024
Eastern Visayas Coding Olympics S1 — Qualifier	<i>PSITE Region VIII</i>	2023

LEADERSHIP & ACTIVITIES

Thesis Leader	2025 – 2026
<i>BiPSU School of Technology and Computer Studies</i>	
Board of Director	2024
<i>BiPSU Computer Science Society</i>	
Media Team	2024
<i>BiPSU Computer Science Society</i>	