

Jasper Nikko M. Navarez

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TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, C++, Java

Databases: MySQL, SQLite, Firebase Firestore, Firebase Realtime Database

Frameworks & Libraries: React, React Native (Expo), Node.js (Express), .NET Framework

Backend & Cloud: Firebase (Firestore, Auth, Realtime DB), AWS (Cloud Foundations · GenAI Badge · AIF-C01), REST APIs

ML & Data: XGBoost, Linear Regression, Scikit-learn, Pandas, Data Cleaning & Wrangling, Power BI, Retrieval-Augmented Generation (RAG)

Tools & Platforms: Git, GitHub, Android SDK, Docker, Linux

Design & Web: UI/UX Design, Search Engine Optimization (On-Page SEO, Metadata, Semantic HTML, Open Graph)

Standards & Security: NIST CSF 2.0, ISO/IEC 27001:2022, CIS Controls v8, HIPAA fundamentals

EXPERIENCE

Full-Stack Web Developer – Lumina Tech Nov 2025 – Present

- **121edc** – Delivered full-stack ERP features including RBAC, attendance management, subprojects, e-signature validation, and QR-based verification, contributing up to 40% in the Phase 2 of the development of the centralized management system of the company.
- **Passly.ph** – Developed and integrated secure authentication workflows using QR codes, implementing user onboarding, access control, and backend-driven account management features across the platform, ultimately onboarding 150+ people on Passly's first event.
- **Orbit** – Built and enhanced ERP modules spanning attendance tracking, consume requests, and operational workflows using Next.js, Express, and MySQL.

AI Training Validator – MineBright Mar 2025 – Dec 2025

- Reviewed and validated 1,000+ model-generated extractions from Mining Operation Documents, enforcing output correctness against ground-truth annotations across structured and semi-structured formats. Contributed to model refinement pipelines leveraging Retrieval-Augmented Generation (RAG), flagging hallucinations and edge-case failures that informed re-training iterations.

Freelance Full-Stack Developer – Aug 2024 – Nov 2025

Don Macchiatos | POS System

- Architected and delivered a desktop point-of-sale system in C# on the .NET Framework.

Jewelry Express | E-Commerce & Appointment Scheduling Platform

- Designed and developed a full-stack web platform using Node.js (Express), HTML, CSS, and vanilla JavaScript — enabling online product browsing across 100+ SKUs and real-time appointment booking for consultations.

Joolz | POS & E-Commerce Web Platform

- Built a dual-purpose platform combining in-store POS functionality and customer-facing e-commerce using React (functional components, hooks) and Firebase (Firestore, Authentication, Realtime Database).

PROJECTS

R503 Bus ETA Prediction System (Thesis) | XGBoost · Linear Regression · Mobile App · PWA

- Designed and implemented a machine learning pipeline for real-time ETA prediction on the R503 Bangkal–Roxas corridor, comparing XGBoost, linear regression, and a custom time-of-day segmented median baseline across 150+ logged trips.

CloudPush CLI (npm: cloudpush-cli) | Node.js · GitHub Actions · REST APIs · CLI March 2026

- Designed and published an open-source npm CLI that abstracts platform-specific deployment tooling across 7 cloud providers — Vercel, Netlify, Railway, Render, Fly.io, Cloudflare Pages, and GitHub Pages — into a single unified interface.

PacePoints – Fitness Activity Tracker | React Native · Expo · TypeScript · ML (April 2025)

- Built a cross-platform fitness tracker with real-time GPS session tracking and an on-device ML module for pace, distance trends, and activity classification.

CERTIFICATIONS & CREDENTIALS

AWS Certified AI Practitioner (AIF-C01) – Amazon Web Services Training & Certification

AWS Academy Graduate – Generative AI Foundations – Amazon Web Services Training & Certification

AWS Academy Graduate – Cloud Foundations – Amazon Web Services Training & Certification

IT Specialist – Data Analytics – Certiport, a Pearson VUE Business

Microsoft Office Specialist: Excel Associate (Office 2019) – Microsoft

EDUCATION

Mapúa Malayan Colleges Mindanao Aug 2023 – May 2027 (Expected)

B.S. in Computer Science

Relevant Coursework: Data Structures & Algorithms, Machine Learning, Information Security & Assurance, Operating Systems, Web Development, Software Engineering, Database Systems