



NEIL BRIAN P. ARAIZ

FULL STACK DEVELOPER

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LinkedIn: [Link](#) | Portfolio: [Link](#) | Github: [Link](#)

SUMMARY

Full Stack Developer specializing in building production-ready web and mobile applications using React, Next.js, React Native, Node.js, and modern cloud deployment. Experienced in end-to-end system development, API design, authentication, and CI/CD. Hands-on experience integrating AI features, including Retrieval-Augmented Generation (RAG), embeddings, vector search, and LLM-based applications. Led development of a Google Play-published platform and built full-stack AI applications, focusing on scalability, performance, and real-world business impact.

TECHNICAL SKILLS

Frontend: React.js, React Native (Expo), Next.js, JavaScript (ES6+), TypeScript, HTML5, CSS3, Responsive Design, State Management (Redux, Zustand, Context API)

Backend: Node.js, Express.js, FastAPI, Python, RESTful API Development, Socket.IO, Authentication (JWT, OAuth)

Databases: MongoDB, PostgreSQL (Neon, pgvector)

AI & Modern Stack: Google Gemini API, LLM Integration, Retrieval-Augmented Generation (RAG), Embeddings, Vector Similarity Search, Prompt Engineering

DevOps & Deployment: Deployment (Vercel, Render), CI/CD, Environment Configuration

Payments & Integrations: Google Play Billing, PayPal API, Subscription & Entitlement Management

Tools & Platforms: Git, GitHub, Bitbucket, Postman, VS Code, Antigravity, Cursor

Development Practices: Agile/Scrum, Debugging, API Testing, Manual Testing, Cross-functional Collaboration

EXPERIENCE

FULL STACK DEVELOPER (MOBILE & WEB)

JUNE 2025 - PRESENT

Ideas Interactive Technologies (IDESS I.T) Inc.

Previously: Full Stack Developer Intern | February 2025 - May 2025

React Native (Expo) | React.js | Node.js (Express) | MongoDB

- Led the development, deployment, and ongoing maintenance of a production mobile learning platform published on Google Play.
- Built and enhanced features including learning dashboard, course marketplace, real-time chat, certificate generation, and secure document uploads.
- Integrated Google Play Billing for Android in-app purchases and implemented a PayPal-based paywall for the web platform, ensuring consistent access control across mobile and web.
- Developed and integrated RESTful APIs using Node.js and Express for authentication, progress tracking, and user interactions.
- Improved API performance by refactoring request handling logic, reducing redundant API calls and preventing unnecessary frontend re-rendering.
- Ensured feature consistency and data synchronization between mobile and web applications.
- Deployed and supported application updates, collaborating in Agile sprints for planning, debugging, testing, and release.
- Developed reusable UI components and mobile screens using React Native during internship period.
- Assisted in backend API implementation and frontend integration with authentication and course management services.
- Contributed to features deployed to production and published on Google Play.

KEY PROJECTS

AI RAG Assistant | Full Stack Developer

Feb 2026 - Present

Website: [Link](#)

Technologies: Next.js, FastAPI, Neon (PostgreSQL + Storage), Vector Search, LLM, Embeddings

- Developed a full-stack Retrieval-Augmented Generation (RAG) web application that allows users to upload PDF documents and interact with them through an AI-powered chat interface.
- Implemented document processing including PDF text extraction, chunking, embedding generation, and vector similarity search.
- Built a chat interface with source citations, providing AI answers with page-level references.
- Implemented session-based chat history per document using Neon for persistent storage and conversation continuity.
- Deployed and managed the production environment using Vercel (Next.js frontend) and Render (FastAPI backend), including environment variables and service configuration.

mysEaLearn (Mobile) | Full Stack Developer

June 2025 - Present

Play Store: [Link](#)

Technologies: React Native (Expo), Node.js, Express.js, MongoDB, Socket.io

- Led the end-to-end full-stack development, deployment, and ongoing maintenance of a production mobile learning platform for seafarers published on Google Play.
- Built mobile UI components and integrated backend APIs for training delivery and progress tracking.
- Implemented real-time chat and community discussions using Socket.IO.
- Integrated Google Play Billing to enable in-app purchases and subscription-based access to learning content.

mysEaLearn (Web) | Full Stack Developer

June 2025 - Present

Website: [Link](#)

Technologies: React.js, Node.js, Express.js, MongoDB, Socket.io

- Supported frontend development and improved UI responsiveness across multiple device sizes.
- Refactored API integration logic to eliminate redundant API calls and prevent unnecessary multiple rendering of data.
- Standardized API request handling to improve frontend maintainability and data consistency.
- Integrated PayPal API to implement secure web-based payments and subscription access.

Iram II Elementary School Student Transcript and Academic Records System | Lead Frontend Developer

April 2025 - June 2025

Installer Link: [Installer](#)

Technologies: React.js, Node.js, Express.js, PostgreSQL

- Developed frontend interface for a student transcript generation and academic record management.
- Implemented responsive layouts for improved usability and accessibility.
- Collaborated with backend services to integrate frontend components with system functionality, ensuring smooth data flow and usability.

IDIALECTO: A Filipino Dialect Learning System Utilizing Speech

2023 - 2025

Recognition (Thesis Project) | Lead Frontend Developer

Website: [Link](#)

Technologies: React.js, Node.js, Express.js, PostgreSQL

- Developed responsive frontend interface for a speech recognition-based dialect learning platform.
- Integrated APIs supporting audio processing and user progress tracking.
- Built interactive and gamified UI components designed for elementary-level learners.

EDUCATION

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

2021 - 2025

Gordon College