



# NEIL BRIAN P. ARAIZ

## FULL STACK DEVELOPER

09631197877 | neilbrianaraiz02@gmail.com

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

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## SUMMARY

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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

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**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

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### FULL STACK DEVELOPER (MOBILE & WEB)

JUNE 2025 - PRESENT

Idess 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

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### 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

April 2025 - June 2025

### Records System | Lead Frontend Developer

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

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### BACHELOR OF SCIENCE IN COMPUTER SCIENCE

2021 - 2025

Gordon College