

FREDRICKSON C. ACORDA

Full-Stack Software Engineer | AI Integration Developer
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[Github](#) | [Portfolio](#) | [LinkedIn](#)

PROFESSIONAL SUMMARY

Full-Stack Software Engineer with experience designing and deploying production web applications using Next.js, React, TypeScript, PostgreSQL, Prisma, Firebase, and AI-powered services. Passionate about building reliable software systems that combine backend architecture, cloud infrastructure, and AI integrations to solve real business problems. Experienced in leading student software projects from planning through deployment while continuously learning modern AI orchestration and product engineering practices.

TECHNICAL SKILLS

React | Next.js | TypeScript | JavaScript | Tailwind CSS | HTML | CSS | Node.js | PostgreSQL | MongoDB | REST APIs | Firebase | Prisma | Git | GitHub | Vercel | Railway | Figma | Lucidchart | Kotlin | Java | Python | PHP

PROJECTS

Client-Based EMS Dental E-Commerce Platform | Next.js, React, TypeScript, Tailwind CSS, PostgreSQL, Prisma, NextAuth.js, PayMongo, Cloudinary, OpenAI, Pinecone
February 2025 – February 2026
Project Manager & Developer

- Led a three-member development team in planning and building a responsive e-commerce platform for EMS Dental Enterprises based on the client's operational and product-ordering requirements.
 - Developed and validated 12 integrated system modules covering authentication, product browsing and management, cart, checkout, PayMongo payments, orders, inventory, CMS, analytics, reporting, and email notifications.
 - Implemented role-based workflows for three user roles—client, staff, and administrator—with customer-facing commerce features and restricted administrative access.
 - Designed and managed a PostgreSQL data model with 16 documented entities supporting authentication, addresses, carts, orders, product inclusions, website content, and quotation requests.
 - Conducted performance and compatibility testing that recorded 1.2–1.8-second page loads and 200–400 ms API responses, maintained memory usage below 1 GB of a 2 GB limit, and verified operation across five browsers and desktop, tablet, and mobile devices.
- Live: [emsdental.shop](#) | Deployed on Vercel with PostgreSQL hosted on Railway

PastryPal Recipe Mobile App | Kotlin, Firebase, Gemini 3.6 Flash, Firestore
December 2023 – Present
Project Manager & Backend Developer

- Led the development of a Kotlin-based recipe mobile application, coordinating project scope, development tasks, application workflows, and feature implementation.
- Integrated Gemini 3.6 Flash through Firebase AI to build PastryPal, an AI-powered baking assistant providing recipe guidance, ingredient recommendations, troubleshooting, and step-by-step baking instructions.
- Implemented Firebase Authentication and Cloud Firestore for secure user accounts and persistent, user-specific application data, including saved recipes and AI assistant conversations.
- Built a persistent AI chat system that stores and restores user conversations across sessions, with user-specific Firestore collections, message-role handling, chronological retrieval, and security rules.
- Implemented Firebase App Check and centralized Firebase initialization to protect backend resources and establish a more reliable, production-ready AI application architecture.

Vantage Typst Resume Builder | Typst, PowerShell, YAML, Batch Scripting, CLI Tooling, Claude
June 2026 – Present
Developer and Open-Source Project Enhancer

- Forked and significantly enhanced a public GitHub project into a scalable, ATS-friendly document-generation system for managing, tailoring, and compiling role-specific resumes.
- Reorganized the architecture using separation of concerns by decoupling the central Typst formatting engine, job-specific content files, configuration data, generated PDF outputs, and automation scripts while applying DRY principles to prevent formatting inconsistencies.
- Developed PowerShell and batch automation for role scaffolding and batch PDF compilation, and implemented reusable templates with classic, modern, minimal, creative, and academic themes through a configurable system.

Visitor Management System | PHP, Python
December 2023 – March 2024
System Development Project

- Developed a visitor management system designed to digitize visitor registration, record management, monitoring, and administrative reporting.
- Implemented registration and login functionality with secure database integration, along with an administrative dashboard for viewing, adding, editing, and deleting visitor records.
- Added PDF report generation to support the export, documentation, and review of visitor logs while applying authentication, CRUD, database-management, and reporting workflows.

PROFESSIONAL EXPERIENCE

Concentrix Philippines | Quezon City, PH
IT Infrastructure Intern
October 2025 – April 2026

- Assisted in hardware replacement, workstation setup, system re-imaging, and software deployment across mini CPU and tower-unit environments.
- Installed and configured enterprise applications including Amazon WorkSpaces, Microsoft Teams, and VPN tools.
- Supported network infrastructure tasks including fiber optic cabling, switch setup, PuTTY-based switch configuration, and server room operations.

EDUCATION

New Era University Main Campus | Quezon City, PH
Bachelor of Science in Information Technology
Graduation Date: June 2026
GPA: 3.65/4.0

ADDITIONAL

Certifications: Oracle Certified Foundations Associate (Nov 2023) | Oracle Cloud Infrastructure AI Foundations (Dec 2023) | Oracle Cloud Data Management (Nov 2023) | IBM SQL & Relational Databases 101 (Nov 2023) | IBM NoSQL & DBaaS 101 (May 2024) | Outskill Generative AI Mastermind (Mar 2026)

Macz VA Agency | Part-Time Virtual Assistant

- Managed client-facing digital assets, content calendars, and communications in a remote work environment.
- Created marketing graphics and organized project deliverables using Canva and AI collaboration tools.