

LORENZ JHAY FLORES

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SUMMARY

Software Engineer with professional experience building and maintaining production web applications using TypeScript, React, Next.js, Express, NestJS, .NET, Django, PostgreSQL, and AWS. Experienced in designing scalable full stack solutions, optimizing application performance, and deploying cloud-based applications with CI/CD pipelines. Graduated Magna Cum Laude in Computer Science while delivering commercial software projects.

WORK EXPERIENCE

Reelist8

March – June 2026

Full Stack Developer (*Part-time, remote, while completing degree*)

- Developed and maintained core features across three production applications (property listings, auction platform, and deeds system) using Next.js, React, Express, WebSocket, and NestJS.
- Improved average page load time by 8% via query optimization and component-level refactoring.
- Resolved 20+ critical bugs related to data sync, auth, API response handling, and workflow logic across property listing, auction, and deeds modules, working closely with QA and backend teams to identify root causes and prevent regressions.
- Implemented Firebase Phone Auth OTP verification and backend test coverage (100+ tests with Vitest/Supertest) across auth and core API modules.
- Built a seller dashboard with data tables, an admin-managed property inquiry workflow with automated Inngeist email scheduling, and a form builder with auto-fill for buyer submissions using React-PDF.

Java Condition Monitoring

December 2025 – March 2026

Full Stack Developer (*Freelance, remote, while completing degree*)

- Migrated the application from Next.js to a decoupled React + Express architecture, improving scalability and system efficiency by 20%.
- Designed and implemented the database schema and REST API endpoints using Express, Prisma, and PostgreSQL to support real-time monitoring data.
- Established Vitest test suites and GitHub Actions CI/CD pipelines to ensure clean, reliable deployments.
- Deployed the application to AWS, reducing deployment time by 40% through optimized workflows and CI/CD pipelines.
- Configured user authentication and role-based access control to secure application data and restrict functionality by user type.

Samsung LED

November 2025

Frontend Developer (*Short-term engagement, remote*)

- Developed and integrated data visualizations using Recharts, shadcn/ui, and React.js, enhancing real-time data analysis.
- Translated Figma designs into pixel-accurate, production-ready interfaces using React.js and Tailwind CSS.

SELECTED PROJECTS

FiScan (Thesis) - Mobile CV app, Expo (React Native) + Django

May 2025 – June 2026

- Engineered a dual-model computer vision pipeline for classifying dryness and disease level in sun-dried fish, deployed to small-scale fish farmers in Naic, Cavite for real-world quality control.
- Trained and optimized YOLOv8 for object detection (88% mAP@50) and YOLOv8-cls for classification (96% accuracy), covering the full ML pipeline from data labeling to model evaluation.
- Converted the detection pipeline to fully offline, on-device inference using TensorFlow Lite (react-native-fast-tflite), implementing custom letterboxing, non-max suppression, and real-time SVG bounding box overlays.
- Deployed and maintained the Django backend on Nginx and PM2, with automated test coverage and a CI/CD pipeline for reliable releases.

Enzo Prints

May – August 2024

- Developed a scalable Next.js web app with 0.95s LCP and 0.00 CLS, improving performance by 35%.
- Implemented Google OAuth and role-based access control to secure application data and restrict functionality by user type.
- Designed responsive and visually appealing user interfaces with React.js, Tailwind CSS, and modern UI libraries.

LifeOS

November – December 2023

- Created a personal productivity app with task management, notes, and gallery features using React, Vite, and .NET.
- Integrated AI-powered recommendations to surface relevant tasks and content based on user activity and priorities.
- Used TanStack Query for efficient data sync, reducing redundant requests and improving UI responsiveness.

EDUCATION

Cavite State University

2021 - 2026

Bachelor of Science in Computer Science

- Magna Cum Laude
- Best in Thesis Exhibit, Cavite State University – 1st Place
- ODE TO CODE, Cavite State University – 1st Place

2026
2023

TECHNICAL SKILLS

- Languages:** TypeScript, JavaScript, C#, Python
- Frontend:** React, Next.js, React Native, Expo, Vite, Redux, Tailwind, HTML, CSS
- Backend:** NestJS, Express, .NET, Django, WebSocket, Prisma, Drizzle, PostgreSQL, MySQL
- AI & Data Science:** Deep Learning, YOLOv8, TFlite, Pytorch, Google Colab, Roboflow, Jupyter Notebook
- Tools:** Docker, Git, GitHub, Figma, Postman, Google Cloud, AWS, Firebase