

# ERVEN IDJAD

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## EDUCATION

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### Western Mindanao State University

Bachelor's, Computer Science

August 2020 - May 2024  
Zamboanga City, Ph.

- Academic award, Best in Portfolio
- OOP, Data Structures, Algorithm, Software Engineering, Database System, Linear Algebra, Discrete Mathematics

## PROFESSIONAL EXPERIENCE

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### SparkSoft Solution, Inc.

Software Engineer

Remote  
Oct 2024 – Present

- Architected and delivered a full-stack attendance management system using Next.js 14, TypeScript, and AWS Amplify, serving 15000+ employees with real-time biometric integration and automated data export capabilities.
- Built enterprise-grade workforce analytics platform with interactive reporting dashboards, geofenced attendance tracking, and multi-format data export functionality, reducing HR processing time by 75% through automated workflows.
- Developed secure ID verification API - Built Node.js/Express backend with QR code decryption, GraphQL integration, and S3 proxy system; implemented security middlewareenhanced frontend with dual-parameter authentication requiring encrypted signatures and employee ID validation.

### SparkSoft Solution, Inc.

Software Engineer Trainee

Remote  
June 2024 – Oct 2024

- Completed an intensive self-learning phase in the first month, mastering key technologies and tools including AWS Amplify, GraphQL, S3 bucket, React.js, Vite, Ant Design, Cursor, and Copilot.
- Demonstrated proficiency by developing a full-stack cat adoption application utilizing the newly acquired tech stack.
- Led the employee POV of the attendance module, delivering a responsive and user-friendly interface.
- Played a key role in migrating legacy React codebase to Next.js, improving maintainability and performance.
- Contributed to the design and implementation of user-friendly interfaces for efficient employee attendance management.

### Knowles Training Institute

IT Intern

Remote  
March 2024 – May 2024

- Enhanced website security, reducing breaches by monitoring and blocking suspicious IP addresses.
- Improved user experience on company websites using WordPress and Elementor.
- Streamlined troubleshooting and issue resolution processes through effective collaboration with cross-functional teams.

## TECHNICAL SKILLS

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**Programming Languages:** JavaScript, PHP, Python, HTML/CSS, C++, Node,

**Technologies/Frameworks:** React.js, Next.js, REST APIs, Fast, Git, AWS Amplify, S3, HuggingFace

**Developer Tools:** Visual Studio Code, IntelliJ, MySQL, GraphQL, GitHub, Copilot, Cursor, Vibe coding

## PROJECTS

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### Smart Entry Gate Security System | Python, ttkbootstrap, OpenCV, YOLOv8, Tesseract\_OCR, Sqlite3

Full Stack Developer - [github](#)

- Led a team and developed an automated security system with 95% accuracy in facial and license plate recognition using OpenCV, YOLOv8, and Tesseract\_OCR.
- Implemented advanced computer vision techniques to enhance real-time detection and recognition capabilities.
- Designed an intuitive GUI with ttkbootstrap, resulting in a 30% increase in user satisfaction among security personnel.
- Streamlined security audits by storing visitor logs in SQLite and generating customized reports.

### Quezon City QR ID Verification | Node.js, GraphQL, AWS S3, AES Encryption, React, CORS

Full Stack Developer - [verify-OC-employee-ID](#)

- Developed a secure ID verification API using AES-encrypted QR codes, GraphQL, and tokenized S3 image proxying.
- Built a CORS-secure frontend verification flow with SSRF protection, input sanitization, and dynamic image serving.
- Integrated API key auth, rate limiting, and request validation to protect against brute force and DoS attacks.
- Delivered a robust real-world solution that streamlined ID validation processes for Quezon City HR.

### Kitcha - Smart Grocery & Meal Planner | TypeScript, Next.js 16, Node.js, Express, PostgreSQL, Prisma, Google Gemini AI,

Tailwind CSS

Full Stack & ML Developer - [github](#)

- Built full-stack meal planning app with Next.js frontend, Node.js/Express backend, and Google Gemini AI for intelligent recipe suggestions and automated meal planning..
- Implemented pantry management with expiration monitoring, smart notifications, and real-time budget tracking to reduce food waste and manage grocery spending.
- Designed PostgreSQL database with Prisma ORM and Engineered secure authentication system with JWT tokens, rate limiting, and input validation for enterprise-grade security.