

# JAMES CYREL M. CULIBAR

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## FULL-STACK DEVELOPER

Full-Stack Developer with 3+ years of experience building scalable business systems, enterprise platforms, and mobile applications using Laravel, React, Node.js, and modern cloud infrastructure. Experienced in transforming manual business workflows into automated digital ecosystems that improve operations, reduce repetitive work, and support long-term business growth.

My work focuses heavily on solving real operational problems — from payroll automation and logistics management to LMS platforms, cooperative finance systems, and AI-powered smart parking solutions. I specialize in backend architecture, database design, API integrations, system optimization, and production-ready deployments.

I also actively integrate AI-assisted development workflows into engineering processes. I use Claude and Codex for code generation, debugging, and architecture assistance, while Gemini and ChatGPT help accelerate research, documentation, and problem-solving workflows. My primary development environments include Cursor, VS Code, and Antigravity.

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## TECH STACK

### Frontend Development

React.js, React Native, Flutter, Inertia.js, Tailwind CSS, Bootstrap, HTML5, CSS3, JavaScript, TypeScript, Alpine.js, Vue

### Backend Development

Laravel (PHP), Node.js, Express.js, NestJS, Flask (Python)

### Mobile Development

React Native + Expo, Flutter

### Databases

MySQL, PostgreSQL, MongoDB, SQLite

### DevOps & Infrastructure

Docker, Docker Compose, Railway.app, Cloudways, Redis, Git, GitHub, Vite, Composer

### AI-Assisted Development Workflow

Claude, Codex, Gemini, ChatGPT

### IDEs & Tools

Cursor, VS Code, Antigravity

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## PROFESSIONAL EXPERIENCE & SELECTED PROJECTS

### Full-Stack Developer – Freelance & Contract Projects

#### Enterprise Business Systems

Contributed as a Full-Stack Developer to multiple production-ready business platforms including ManPro Payroll System and HRMS Courses. Worked closely with teams and stakeholders to build scalable systems focused on payroll automation, HR management, logistics, inventory control, and financial operations. My role covered backend architecture, frontend development, deployment, database optimization, and workflow automation.

#### Key Contributions Across Projects:

- Developed payroll automation systems with tax computation and approval workflows
- Built enterprise LMS platforms with Zoom SDK integration and analytics dashboards
- Engineered logistics and trucking systems with automated salary and trip management
- Created inventory and ERP-lite systems capable of bulk Excel/CSV processing
- Developed cooperative finance systems for loans, shares, and dividend tracking
- Implemented multi-tenant architectures, Redis caching, and production deployment workflows
- Conducted security auditing including IDOR vulnerability prevention and role-based access control

**Primary Stack:** Laravel, React.js, Inertia.js, Tailwind CSS, MySQL, PostgreSQL, Redis, Docker, Cloudways, Railway.app

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### AI Smart Parking & Computer Vision System – BukSU Campus

Developed an AI-powered smart parking and POS solution capable of detecting parking availability and vehicle plate recognition using computer vision technologies.

#### Key Contributions:

- Built OpenCV-powered parking slot detection systems
- Implemented multithreaded video stream processing
- Developed Flask-based backend services for real-time monitoring
- Integrated parking management and POS functionality

**Tech Stack:** Flask, Python, OpenCV, NumPy, HTML5, CSS3

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## AgriTrade – Mobile Commerce Platform

Developed mobile and backend systems designed to connect farmers directly with consumers through modern digital commerce workflows.

### Key Contributions:

- Built RESTful APIs with JWT authentication using NestJS and Node.js
- Developed React Native mobile applications with Expo
- Designed PostgreSQL database schemas and backend architecture
- Automated deployment and development workflows using Bash scripts

**Tech Stack:** NestJS, Node.js, React Native, PostgreSQL, Expo

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## POS Inventory Management System

Built an offline-first POS and inventory management application for retail operations.

### Key Contributions:

- Implemented barcode scanning and camera integrations
- Built SQLite-based offline storage architecture
- Developed lightweight inventory and transaction management workflows

**Tech Stack:** Flutter, Dart, SQLite

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## LEADERSHIP & ACHIEVEMENTS

- Project Manager for MERN Stack academic development projects
  - Mentor under Bukidnon State University Computer Society Academic Mentoring Program
  - TOPCIT Level 2 Passer and Top 2 Performer at Bukidnon State University
  - 1st Runner-Up – Hack4Gov Competition (DICT Region X)
  - Cisco Networking Academy Completer (Cybersecurity & Networking)
  - Passed Civil Service Examination (Professional)
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## EDUCATION

### Bukidnon State University

Bachelor of Science in Information Technology