RYAN JAMES F. INDANGAN

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PROFESSIONAL SUMMARY

AI Developer specializing in document intelligence, machine learning, and LLM powered systems for financial data extraction and underwriting automation. Builds end to end AI pipelines combining PDF processing, OCR, computer vision, and secure backend and frontend systems, backed by strong full stack engineering experience.

Core Strengths

AI & Machine Learning
- Document intelligence, OCR, PDF processing, Computer Vision, Watermark Removal
- Machine Learning (scikit-learn, Random Forests, feature engineering)
- LLM Integration & Automation (Ollama, OpenAI-compatible APIs, vLLM)
- End-to-end AI pipeline design and validation for financial data extraction and underwriting

Web & API Development
- RESTful & GraphQL APIs, WebSockets, Backend/Frontend Integration
- Full Stack Development: React, Next.js, Vue, Angular, Node.js, TypeScript, PHP, Python
- Secure, production-ready backend services with JWT auth, rate limiting, and CORS

Programming & Scripting
- Python (AI/ML pipelines, PDF & image processing), JavaScript/TypeScript, PHP, SQL, HTML/CSS
- Automation, scripting, and data transformation pipelines

Frameworks & Libraries
- FastAPI, Express.js, CodeIgniter 3, Laravel, Django
- OpenCV, scikit-image, Pillow, Tesseract OCR, pdfplumber, pdf2image, PyMuPDF

Cloud, DevOps & Infrastructure
- AWS (EC2, RDS, Lambda, EventBridge, S3, CloudFront), DigitalOcean, Docker, Docker Compose
- Kubernetes, CI/CD pipelines (GitHub Actions, Jenkins, Bitbucket Pipelines)

Databases & Data Management
- MySQL, PostgreSQL, SQLite, MongoDB, Firebase
- Data normalization, structured extraction, and Excel reporting (openpyxl)

Tools, Testing & Project Management
- Git, GitHub/GitLab, Postman, Insomnia, Pytest, Jest, Mocha, Selenium, Cypress
- Project Management & Collaboration: Jira, Confluence, Asana, Trello, Slack, MS Teams, ClickUp, Monday.com

WORK EXPERIENCE

Alliance Global Solutions BPO Intl Corp. (Alternative Funding Group) — AI Developer/Machine Learning Engineer

Nov 2025 – Present
- Built an end-to-end bank statement extraction and validation pipeline combining native PDF text extraction with OCR fallback to support automated underwriting workflows.
- Implemented advanced OCR preprocessing using OpenCV and PIL, including denoising, adaptive thresholding, and deskewing, with aggressive multi-angle OCR for difficult scans selected via quality scoring.
- Designed a watermark removal ML subsystem using feature engineering and RandomForest classification to auto-detect watermark types and route documents to appropriate removal strategies.
- Created a validation-first extraction framework enforcing structural integrity invariants and auditability without mutating source financial text.
- Developed deterministic wire and revenue classification with evidence-backed rules to support compliance and underwriting review.
- Integrated local LLM workflows via Ollama with OpenAI-compatible backends to generate structured underwriting summaries with token-efficient payloads.
- Implemented secure service architecture with JWT authentication, RSA key management, and a hardened Node gateway using rate limiting, CORS allowlists, and bcrypt-based authentication.
- Delivered real-time processing visibility via FastAPI Server Sent Events to stream AI pipeline phases and results to the frontend.

WORK EXPERIENCE

GlobalX Digital Corporation — Consultant

Jan 2025 – Apr 2025

- Led the redesign of database architecture, creating scalable, high-performing systems that improved data integrity and business alignment.
- Developed and secured API endpoints, strengthening system communication and overall reliability.
- Directed 12 developers across 3 teams, providing technical guidance, architectural leadership, and workflow documentation.
- Revived a stalled project by assuming ownership, delivering a fully enhanced Version 2 within 2 months after 9 months of failed prior leadership.
- Acted as Technical Lead, aligning goals among cross-functional teams and stakeholders to ensure delivery within strict timelines.

Bada LLC — Support Engineer

Apr 2025 – Oct 2025

- Developed and scripted solutions for data management and client image migrations, improving operational efficiency.
- Created custom templates for InDesign, Word, and PowerPoint to standardize client deliverables. Integrated systems using REST APIs and JavaScript, enabling cross-platform automation
- Troubleshot server-side, end-user, and codebase issues, maintaining high client satisfaction.
- Managed client support tickets from initiation to resolution with clear technical guidance.
- Skills: JavaScript (ES5), REST APIs, ZenDesk, InDesign, Windows Server, Linux Server, JSON

Net Global Solutions Inc. — Back End Developer

Apr 2023 – Nov 2024

- Served as Project Lead & Lead Programmer for PAGCOR compliance system (Back Office Access), ensuring regulatory adherence.
- Managed PEZA Digital Marketplace (Builder.ai) as Project Manager, enabling streamlined data management for the Philippine Economic Zone Authority.
- Built a custom PHP framework to enhance API development and system performance.
- Developed a Sports Data Management System, Automated Billing System, and multiple enterprise solutions as Lead Programmer.

ADEC Innovations — Systems Developer II

Mar 2022 – Apr 2023

- Developed the UN-Habitat SDG Cities platform as part of a United Nations initiative.
- Built the Disaster Risk Reduction Management Information System for the Department of Education (DepEd).
- Created a database automated-remapping system ("Bucket Service") to optimize DepEd's database management.

Freelance Web Developer

2021 – 2023

- Designed and developed a Sports Data Management System for a private company.
- Built an Online Human Resource Information System for STI Muñoz EDSA.
- Delivered custom websites and applications for small businesses and organizations.

WORK EXPERIENCE

iAm Tech Solutions Inc. — Senior Web Developer
Mar 2018 – Apr 2021
- Directed large-scale web and mobile projects including Lotto Play Mobile App, Wholesale E-Commerce, and white-labeled Learning Management Systems.
- Built enterprise systems: Online Inventory & Asset Tracking, Package Tracking, Broker Accreditation (Ayala Land), and Log Monitoring with Digital Signature.
- Delivered custom after-sales service and tracking solutions for corporate clients (Esquire Tech, Chubb Limited, Marmo Pizzara Trading).
- Provided technical leadership as Lead Programmer, ensuring quality delivery and scalable architecture across projects.

Undergraduate Projects
- Led multiple academic and freelance software projects, including Online Entrance Exam, Enrollment, and Student Council Voting Systems.
- Designed and deployed custom web applications for schools and small businesses, such as HRIS and E-Commerce platforms.
- Demonstrated early leadership as Project Lead, overseeing full-cycle development from requirements gathering to deployment.

EDUCATION

Bachelor of Science in Information Technology | STI Munoz - EDSA
- Relevant Coursework: Data Structures, Algorithms, Database Development, Programming

- Union Bank's UHack 2017 December 2, 2017 Semi-Finalist
- HealthHacks PH 2017 February 17. 2017 Semi-Finalist
- Battle of the Debuggers October 2, 2015 1st Runner up (College)

Secondary Education | Graceland Christian College
- Graduated as CAT Corps Commander, leading and coordinating unit activities and drills.
- Member, Performance Arts Guild of Graceland.

CERTIFICATIONS
- Certified Chief Technology Officer, Information Technology - *Institute of Management, Technology and Finance*
- Ethical Hacking Course - *Database Hacking, Bringing Down a Website, Make Your Data Safe, Hacking Passwords; Hacker X*

REFERENCES
Available upon request.