

FAHRUR ROZI

Fullstack Engineer — Backend & Applied AI Integration

Central Java, Indonesia (GMT+7) • Open to Remote / Relocation
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Fullstack & Integration Engineer with ~2.5 years of experience architecting AI-powered POS systems, resilient ERP pipelines, high-throughput backend services (Go/Fiber), and cross-platform desktop/web apps (Electron, Next.js). Proven track record in streamlining MSME inventory analytics, resolving critical API rate-limit issues, and deploying applied ML models into enterprise software solutions.

WORK EXPERIENCE

Fullstack Developer PT Bharata International Pharmaceutical	Jan 2024 – Present Central Java, Indonesia
API Rate-Limit Optimization: Resolved critical Shopee Open API failures causing rate-limiting, restoring 100% order sync stability under an active vendor code freeze. Idempotent Ingestion Pipeline: Engineered asynchronous order-ingestion pipeline for multi-marketplace channels with retry backoff and dead-letter queue recovery. API Governance & SLA: Established API contract standards—including request versioning, error taxonomy, and automated test gates across vendor teams. Internal Financial & ERP Modules: Built enterprise financial modules in Java & React, automating cash flow tracking and administrative efficiency. Applied ML & Computer Vision Deployment: Trained and deployed a Computer Vision model for automated skin analysis in R&D product workflows.	
IT Systems Specialist Bantarsari Public Health Center	Jul 2022 – Oct 2022 Central Java, Indonesia
Clinical Workflow Automation: Developed an Excel VBA system boosting staff productivity by 30% and modernized public portal increasing engagement by 20%.	

FEATURED PROJECTS

LarisAI – Smart POS & AI Stock Prediction Platform <i>Tech Stack: Electron, Next.js, React, TypeScript, Go (Fiber), Python (AI/ML), MongoDB / SQL</i>	2026
- Architected a cross-platform Smart Point of Sale (POS) system (Web & Electron Desktop App) to modernize cashier workflows and inventory governance for MSMEs. - Integrated AI/ML predictive models for stock forecasting based on historical sales analytics and automated smart marketing campaign recommendations.	
Enterprise Resource Planning (ERP) & Data Integration <i>Tech Stack: Go (Fiber), Next.js, React, Java, MongoDB, Webhooks, REST API</i>	2024 – 2026
Developed internal ERP modules automating inventory management, multi-currency financial reporting, and high-throughput Webhook gateways.	
Task Management System (Go Microservice Backend) <i>Tech Stack: Go (Fiber), MongoDB, JWT Auth, RBAC Architecture</i>	2026
Built a high-performance Go microservice with multi-role RBAC authentication and soft-archival mechanisms for secure multi-tenant data isolation.	
Weboz Agency Platform & Caraka Edge ML <i>Tech Stack: TypeScript, Next.js, Python, TensorFlow/Keras, TFLite, Android</i>	2024 – 2026
Founded Next.js digital agency platform (weboz.my.id) and trained a ~93% accuracy CNN model quantized into TFLite format for low-latency Android edge execution.	

EDUCATION & TRAINING

Universitas Pendidikan Indonesia (UPI) B.Ed. in Educational Systems & Information Technology	2020 – 2024 GPA: 3.58 / 4.00
Bangkit Academy (Machine Learning Path): Google, Tokopedia, GoTo MSIB Graduate - Final Score 85/100 (2024). Binar & Dicoding Academy: Fullstack Web Kampus Merdeka Batch 4 - Final Score 87/100 (2023) & MLOps Track.	

TECHNICAL SKILLS & CERTIFICATIONS

Programming Languages:	Go (Golang), TypeScript, JavaScript, Python, Java, SQL, HTML/CSS
Frameworks & Tools:	Electron, Next.js, React.js, Fiber, Node.js, Express, REST APIs, Webhooks, Git
Databases & ML/AI:	MongoDB, PostgreSQL, MySQL · TensorFlow, PyTorch, YOLO, Computer Vision, MLOps
Certifications & Languages:	Dev Certified for Machine Learning with TensorFlow (DCML) · MTCNA (MikroTik) · Google IT Automation with Python · PTESOL English & Indonesian