

# KALEHEGE · Full-Stack Product Developer | AI Automation

Galle, Sri Lanka | [kalehege.com](https://kalehege.com) | [qlyar.com](https://qlyar.com) | [GitHub](https://github.com) | [LinkedIn](https://www.linkedin.com) | [hello@kalehege.com](mailto:hello@kalehege.com)

## PROFESSIONAL SUMMARY

Product-focused full-stack developer with 5+ years of experience delivering web, mobile, and business systems for clients in retail, hospitality, recruitment, and e-commerce. Co-founder and lead developer at Qlyar, owning projects from discovery and architecture through deployment and support. Recent work includes a WhatsApp sales assistant, production POS platforms, ML-based anomaly detection, and migrations involving 20M+ records and 1.8 TB of documents.

## TECHNICAL SKILLS

**Core Engineering** TypeScript, JavaScript, React, Next.js, Node.js, Express.js, Laravel, PHP, REST APIs, GraphQL

**Data & AI** Python, FastAPI, Flask, LiteLLM, LangChain, Isolation Forest, PostgreSQL, MySQL, MongoDB, Firebase

**Mobile & Web3** React Native, Flutter, Solidity, ERC-721/ERC-1155, Ethers.js, Web3.js

**Infrastructure** Docker, AWS, Azure, Vercel, Cloudflare, Linux, Nginx, GitHub Actions, GitLab CI, Jenkins

**Product Delivery** Client discovery, architecture, testing, deployment, production support, Figma, Adobe Creative Cloud

## PROFESSIONAL EXPERIENCE

### Co-founder & Lead Developer - Qlyar

2025 - Present

*Remote*

- Lead discovery, architecture, and delivery for custom web, mobile, and AI automation products.
- Serve as the primary engineer across frontend, backend, databases, cloud deployment, and post-launch support.
- Manage project scope, milestones, client communication, production releases, and ongoing product improvements.
- Delivered systems for retail, hospitality, and business-services clients using modern JavaScript, PHP, Python, and cloud stacks.

### Full-Stack Developer - Freelance

2020 - 2024

*Independent client work*

- Delivered custom software for clients in e-commerce, hospitality, recruitment, and business management.
- Owned delivery from requirements and interface design through development, testing, deployment, and support.
- Built web platforms, mobile applications, APIs, database-backed management systems, and third-party integrations.

### NFT Specialist & Full-Stack Web Developer - Fiverr

2022 - Present

*Remote marketplace*

- Completed 60+ orders across 12+ client projects for international customers.
- Developed ERC-721 and ERC-1155 smart contracts with minting, royalties, allowlists, and metadata workflows.
- Built responsive dApps and full-stack platforms using React, Next.js, Node.js, Laravel, Web3.js, and Ethers.js.

### Earlier Experience - Graphic Design & Content Production

2017 - 2020

- Created logos, branding assets, illustrations, photo edits, and marketing content through Fiverr and for Yaaya.

## SELECTED PROJECTS

### WhatsApp Business Assistant & Sales Automation

2025

*Lead Developer*

- Built a conversational sales assistant with LiteLLM and LangChain for lead capture, product enquiries, order processing, and automated follow-ups.
- Designed multi-step conversation flows, business-workflow integration, and fallback paths for conversations requiring human review.

### Retail & Hospitality Management Platforms

2025

*Lead Developer*

- Replaced a legacy POS with an all-in-one platform covering sales, inventory, suppliers, customer credit, loyalty, employee performance, and financial reporting.
- Built a restaurant and hospitality management platform tailored to island dining operations and day-to-day operational workflows.

SELECTED PROJECTS - CONTINUED

**ML-Powered Bottleneck Detection System** 2024  
*ML Engineer & Developer*

- Implemented an Isolation Forest model over throughput and queue-length signals to identify anomalous PC resource bottlenecks in real time.
- Added anomaly scoring and root-cause suggestions to help distinguish likely CPU, memory, storage, and process-related issues.

**Large-Scale Data & Document Migrations** 2024  
*Systems Engineer*

- Migrated 20M+ records and 1.8 TB of documents across distributed source and target environments.
- Used staged execution, integrity validation, reconciliation, and exception handling to preserve data integrity and operational continuity.

**Emerald Isle Manpower Recruitment Management System** 2024  
*Full-Stack Developer & Project Lead*

- Directed the project from client discovery and requirements gathering through architecture, implementation, and delivery.
- Built candidate-pipeline and administration workflows for a global manpower and travel-services company.

ADDITIONAL PROJECT EXPERIENCE

- Enhanced POS System (2024): extended register, order, and customer-management modules while improving UX and reliability.
- Hotel Management System (2024): delivered booking, revenue-tracking, and customer-management workflows.
- Event Management System (2023): built planning, scheduling, and attendee-management features.
- Shopping Applications (2023): developed mobile and web e-commerce experiences covering browsing, cart, favourites, and orders.
- Behavior Detection System (2024): implemented a real-time ML workflow for pattern recognition and behavioral analysis.

EDUCATION

**BSc (Hons) Computer Science** · Sri Lanka

ADDITIONAL INFORMATION

**Languages** Sinhala (Native), English (Fluent) | **Availability** Full-time, contract, and remote opportunities