



CURRICULUM VITAE

# Fernando Kahapola

— AI STRATEGY / TRANSFORMATION LEADER / SOLUTIONS ARCHITECT

*I turn strategy into intelligent systems,  
creating lasting enterprise impact at scale.*



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## 01 Profile

AI and technology leader with 13+ years turning complex business challenges into scalable systems. I set AI strategy and lead its delivery, connecting executive priorities with architecture, governance and production engineering. At ASI, I lead IT and have delivered AI agents for predictive risk, incident triage, fraud detection and transaction verification, reducing a twelve-month reconciliation cycle to near real time. As founder of Erbenlab, I delivered 20+ products across ERP, CRM, mobile and IoT. My focus: practical AI that creates measurable business value.

**3,000+**

HOURS SAVED A YEAR  
THROUGH AUTOMATION

**4**

AI AGENTIC SYSTEMS  
SHIPPED

**20+**

PRODUCTS SHIPPED  
ACROSS MY CAREER

**3**

APP PROJECTS  
USING AI AGENTS

**13+**

YEARS IN  
SOFTWARE DELIVERY

## 02 Systems in production

ASI, 2023–



### Predictive Assurance

ISEAL Innovations Fund. Scores programme participants for likelihood of a sustainability breach before it happens, trained on multi-year audit data across FSC, ASC and MSC. Teams intervene ahead of incidents instead of reacting to them.



### Global Incident Alerts

Captures and routes real-time reports of illegal logging, illegal fishing and other breaches across FSC, ASC and MSC programmes worldwide. Agents triage, classify and prioritise at scale.



### Transaction Verification Loop

Agent-driven reconciliation of transactions flowing through every programme. Replaced a cycle the team previously took around twelve months to close. Now near real time.



### AI Fraud Detection

Flags manipulated and forged documents through intelligent data indexing and pattern recognition, before they enter the assurance chain.

## 03 Capabilities

### LLM ENGINEERING

OpenAI GPT · Anthropic Claude · Hugging Face · prompt engineering · RAG · function calling and tool use · vector databases and embeddings · evaluation harnesses · cost and reliability tuning

### CLOUD, PLATFORMS & IDENTITY

AWS (Solutions Architect) · Microsoft Azure · Microsoft 365 · Dynamics 365 · Azure AD · Google Workspace · Salesforce · Docker · Kubernetes · Terraform · Ansible · VMware · Proxmox

## AUTOMATION & BUILD

n8n · Zapier · Make · Power Automate · Salesforce Flow · Python · JavaScript · TypeScript · PHP · MySQL · Apex · Bash · React · Next.js · Vue · Node · Tailwind · Laravel · Django · Cursor, Antigravity and Claude Code for AI-assisted delivery

## GENERATIVE MEDIA

Video and image models for UI design and rapid prototyping: Nano Banana 2.0 · Seedance · Kling 3.0 · AI-driven design exploration and asset generation

## SECURITY

CompTIA Security+ · IBM Cybersecurity Analyst · CEH · Kali and Parrot OS · penetration testing · network and server hardening · cloud security · incident response

## AGENTS & ORCHESTRATION

OpenClaw · Hermes Agent · multi-agent system design · agent-to-agent communication · memory and telemetry · guardrails · Model Context Protocol (MCP) · Claude Skills · agent evaluation and monitoring

# 04 Experience

2023 — Present  
Bonn, Germany

## IT Manager

### ASI Assurance Services International GmbH

- Lead end-to-end IT operations, infrastructure and digital transformation, replacing legacy operational thinking with an agent-first, automation-first stack. OpenClaw and Hermes Agent automations run in daily operations.
- Contribute to the executive strategy targeting €20M annual revenue by 2030, and own the technology roadmap beneath it.
- Shipped the four agent systems described on page one, from problem framing through production and adoption.
- Designed and built a custom Salesforce org from scratch, with automation and data models tailored to assurance workflows.
- Built internal tooling to migrate and modernise legacy systems, replacing manual processes with secure automated services.
- Administer Salesforce, Google Workspace, Microsoft 365 and Azure across the full IT lifecycle, from infrastructure and identity governance to 1st–3rd level support.

2020 — 2023  
Bonn, Germany

## IT Manager

### IFOAM Organics International e.V.

- Led IT operations and a team of four, covering infrastructure, applications and global support across regional bodies.
- Executed a full digital transformation, migrating legacy systems into the Microsoft 365 ecosystem.
- Implemented and customised Microsoft Dynamics, aligning CRM workflows with how the organisation actually worked.
- Built custom web applications and internal systems in WordPress, PHP and Python, including invoicing and membership.
- Administered Salesforce, Atlassian (Jira, Confluence) and collaboration tooling; ran networking, device provisioning and enterprise support from L1 to L3.

2017 — 2020  
Spain · Finland · Switzerland

## IT Consultant

### Freelance, self-employed

- Advised businesses across the EU and Asia on IT infrastructure, cloud architecture and digital transformation strategy.
- Startup Hunter for Peter Vesterbacka, co-founder of Angry Birds and Mighty Eagle of SLUSH, scouting and qualifying early-stage companies across Nordic and Asian ecosystems.
- Consulted for the Finnish Ministry on early-stage technology evaluation and policy input. Featured at SLUSH and the Aalto Startup Center founder programmes.
- Designed scalable web platforms and marketing systems for SMEs and growth-stage businesses, and managed distributed development teams.

## Head of Technology & Innovations

Erbenlab H.Q. (Pvt) Ltd, founder

- Architected and built SenseCloud ERP, onboarding around 60 SMEs and digitising their core business operations.
- Led mobile development for international clients in iOS (Objective-C and Swift), owning the full product lifecycle from design through deployment and scaling.
- Implemented security hardening and system optimisation across the infrastructure.
- Five international and national awards won for the company during this tenure, including SLUSH 2016 Best Social Impact Startup and IDB Tech Entrepreneur of the Year 2017.

## Software Engineer

Infogrid Holdings (Pvt) Ltd

- Built and optimised websites, landing pages and high-converting sales funnels.
- Worked across SEO, social integrations and marketing technology; supported campaign tracking, analytics and performance optimisation.

## 05 Awards & recognition

- 2016

**Asia's Top 8 Enterprising Entrepreneur Under 40**  
Global Insider Magazine
- 2016

**Best Social Impact Startup**  
SLUSH, Helsinki, for Erbenlab
- 2016

**Runner-up, Startup Challenge**  
Seedstars Asia, for Erbenlab

- 2017

**Tech Entrepreneur of the Year**  
IDB of Sri Lanka, for Erbenlab
- 2016

**Most Innovative Tech Entrepreneur**  
Pioneers 500, Vienna
- 2016

**Aspirin Social Innovation Award**  
Bayer Foundation, on-demand blood donation app

## 06 Education & certifications

NEWEST CREDENTIAL · 2026

**Claude Certified Architect, Professional**  
Anthropic. Agent architecture, orchestration and evaluation

2013

**B.Sc. (Eng) Software Engineering**  
Sri Lanka Institute of Information Technology

2022

**CompTIA Security+**  
CompTIA

2014

**Certified Ethical Hacker (CEH)**  
EC-Council

2015

**AWS Certified Solutions Architect**  
Amazon Web Services

2021

**IBM Cybersecurity Analyst Professional**  
IBM & Coursera

PRESS      SeekaHost (Best Entrepreneurs in Sri Lanka), ReadMe.lk (Meet the Erbenizers), FT.lk (Erbenlab anniversary; PwC SLASSCOM Europe Startup), Life.lk, Seedstars Colombo, PrimeOne Global, Inventiva (Top 10 Best Unicorns in Sri Lanka 2022).

## 07 Agentic AI portfolio

### Ayusha | Self-care app

Built for an external client: Android and iOS app with backend. Development workflow: 80% AI agents, 20% human.

### Spirit Birds | Yoga community

Upcoming app for an external client, using a Tinder-like matching concept for the yoga community. 100% AI-agentic development pipeline.

### Club Ecsttatica | Ecstatic dance community

Community app project developed through a 100% AI-agentic development pipeline.

### Further freelance AI work | In development

AI project management and custom project management tools, an AI fraud detection tool, and a web-scraping agent system.