

Artem Shelepiuk

SOLUTION ARCHITECT | AI & WEB/MOBILE DEVELOPER

Details

Kyiv
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Links

Github

Portfolio

LANGUAGES

English

Ukrainian

Areas of Expertise

AI Agents
RAG Pipelines
Multi-Agent Orchestration
Prompt Engineering
Context Engineering
Tool Calling
Voice Agents
LangChain
LangGraph
Hybrid Retrieval
Embeddings
LLM Wiki
Vector DB
PyTorch
Hugging Face
Unsloth
Google AI Studio
Obsidian
Graphify
React

Professional Summary

Solution Architect & fullstack AI developer who designs and ships secure, production-grade SaaS, web and mobile systems. I deliver applied AI solutions - RAG/LLM Wiki, multiagent orchestration, finetuning (LoRA/QLoRA), document AI and forecasting pipelines - integrated with APIs, voice AI and thirdparty systems to automate workflows and improve KPIs. Handson leader with 60+ production projects and 100+ API integrations; experienced across Python/PyTorch, LangChain, React/Next.js and cloud MLOps (GCP, Docker, Kubernetes). I translate business goals and operational constraints into scalable architectures, clear specs and measurable outcomes.

EXPERIENCE

AI Engineer & Full-Stack Developer, rTurner Consulting LLC, Kentucky

FEB 2022 — OCT 2026

- Led delivery of 9+ production systems (SaaS, web, mobile, embedded), owning architecture, backend, frontend, integrations and release pipelines.
- Designed and deployed RAG/LLM Wiki platforms and 5 production AI agents (voice, tool-calling, multi-agent orchestration) integrated with document AI and hybrid retrieval.
- Built fine-tuning pipelines (LoRA/QLoRA) and 5 specialized models for domain tasks; established evaluation and deployment workflows for model quality and cost control.
- Developed ML forecasting and predictive analytics for KPIs, orders, customers and reorders, enabling what-if scenario analysis for decision-making.
- Implemented 15+ API integrations (LLM/Document AI, voice, payments, identity, ERP, webhooks) and hardened security: RLS, roles/permissions, audit trails, SSL and backup strategies.
- Produced architecture designs, API/module specifications and operational runbooks to ensure secure, maintainable production deployments.

AI & Full Stack Developer, Streamline Analytics, Victoria

FEB 2019 — FEB 2022

- Led product and engineering for a digital commerce business that generated ~200k AUD in its first year across 11 markets in Oceania and Europe.
- Built and automated systems for 10+ owned and client stores-API/webhook integrations, CRM automation, analytics, AI chatbots and fulfillment pipelines-processing 5,000+ orders.
- Architected payments and risk solutions across Stripe, PayPal, Klarna and Shopify Payments; managed KYC, chargebacks and P&L coordination with international suppliers and collaborators.
- Directed market and product research, customer segmentation and direct-response campaigns to prioritise features and run growth experiments informed by data.

Full Stack Developer, Next Tournaments ASD, Naples

JUL 2016 — DEC 2018

- Development and launch of a multi-game, multi-platform eSports platform; operated and iterated the product for 2+ years post-launch.
- Managed roadmap, specifications, QA, releases and coordination of internal and external development teams; secured sponsors and partnerships.
- Owned business development activities and operational processes to support events and platform growth.

Next.js
Angular
Tailwind CSS
PrimeNG
TypeScript
JavaScript
HTML
CSS
React Native
Flutter
CapacitorJS
Swift
Kotlin
FlutterFlow
Android Studio
Node.js
NestJS
Laravel
Spring Boot
Python
PHP
Java
C++
REST API
Webhook
Cron
BullMQ
Apify
PostgreSQL
Redis
MySQL
MariaDB
MongoDB
SQLite
Supabase
Firebase
Prisma
Eloquent
SQL
JSON
XML
YAML
Google Cloud Platform (GCP)
Docker

EDUCATION

BSc Computer Science, Taras Shevchenko National University of Kyiv, Kyiv

SEPT 2012 — JUL 2016

PROJECTS

AI Operations Hub - Prospecting, CRM & Voice Automation

Production B2B operations platform combining prospecting, operational CRM and voice AI. It runs acquisition campaigns, enriches and qualifies leads from traceable sources, handles calls through an ElevenLabs agent connected to controlled backend tools, and turns multi-intent conversations into order drafts, tasks, refund cases or human escalations. Includes data provenance, deterministic/semantic scoring, audit and controlled integration with third-party management systems.

DeepScout - AI Research & Evidence System

Open-source project for multi-step research: decomposes the goal, coordinates research agents and links results to sources and evidence. Includes hybrid retrieval with embeddings, LLM Wiki, Human-in-the-Loop, persistent evaluations and controlled learning with versioned policies and rollback.

OptiBuild - Intelligent Construction Site Management

Platform for costs, accounting, progress reports (SAL), bills of quantities, documents, resources and dashboards. Architecture, data layer, RLS, audit trail, management modules, APIs and AI parsing of complex bills of quantities. Presented at Edil Expo 2026 in Rome.

Food, Retail & Logistics Management Platform

CRM, warehouse, suppliers, costs, HACCP, loyalty and logistics. JARVIS is an operational AI assistant that navigates the platform and performs real actions, including hands-free interaction; the decision layer includes forecasting, benchmarking, business-risk scoring, customer scoring and what-if scenarios for pricing, suppliers, staffing and new locations.

TemaSuite - SaaS for Property Managers

Multi-company platform for bookings, guests, units, rates and accounting. Full-stack architecture, APIs, frontend and data model, with Channel Manager, Price Advisor, online check-in with OCR and identity verification, data isolation, auditing and automated tests.

MielePiu - B2B Platform with AI Agent

Customers, orders, catalog, activities and KPIs with integrated Email and WhatsApp. The agent answers using real application data and shows the sources consulted; automatic request and task classification, customer/product clustering, forecasting for reorders and KPIs, integrations and webhooks.

ANCC - Technical Inspections & Administrative Cycle

Management platform for periodic plant inspections: leads, customers, sites, assets, technicians, assignments, scheduling, execution, document archive, pro forma/invoicing and renewals.

WIP - Event Warehouse Management

Event and setup operations: product catalog, client-owned furniture, availability and quantities committed to jobs, restoration cycle, delivery notes, master data and roles.

Athleta - AI Fitness Web App

AI coach with application context, memory and a per-user knowledge graph queried through RAG/LLM Wiki. The agent proposes structured changes and applies nothing

Kubernetes
OpenShift
Linux
Git
GitHub
Jenkins
SSH
WHM/cPanel
SSL
Backup
Server Migrations
Multi-environment Deploy
Claude Code
Cursor
Codex
Google Antigravity
n8n
Workflow Automation
Shopify
WordPress
Magento
Medusa
PrestaShop
Stripe
PayPal
Klarna
RevenueCat

without confirmation; speech-to-text, document OCR, image analysis, per-user isolation and validation before persistence.

MVP Athletic - Web, iOS & Android

Fitness platform with a Personal Trainer mode for managing clients and a self-guided user mode. Client management, questionnaires/check-ins, chat and access across web, iOS and Android.

IAF Agent Operating System

Control plane for Claude Code, Cursor, Codex and Antigravity with agents/subagents, skills, rules, hooks, multi-model routing, preflight checks, security policies, knowledge base and verification gates.

n8n Automation - Commercial Cycle & AI

Workflow from a new case to invoicing through webhooks and integrations. A sub-workflow uses an AI agent to generate documents from materials collected during calls, connecting Google Sheets/Drive and external services.

Certifications

Claude with Amazon Bedrock, Anthropic Education

JUL 2026

Claude with Google Cloud Vertex AI, Anthropic Education

JUL 2026

Building with the Claude API, Anthropic Education

JUN 2026

Claude Code in Action, Anthropic Education

APR 2026

n8n - Automation & Workflow

2026