

Developer Capability Portfolio

Marvin Kamp - senior AI process automation, ERP and integration engineer

IDENTITY PACK - OWNER-CONFIRMED EXPERIENCE + LABELED EVIDENCE

Profile

25 years of owner-confirmed software development experience, including 15 years developing ERP systems in the steel sector. The current focus is AI-assisted process modernization: combining long-lived C# business systems, SQL, B2B EDI and APIs with n8n, LLM pipelines, human gates and auditable operations.

Experience	25 years total software development; 15 years ERP in the steel sector.
Current focus	AI process automation, LLM and agent workflows, n8n, evaluation, human approval and recovery.
Core	C#, .NET, SQL, ERP processes, B2B EDI, REST APIs, OpenAPI/Swagger.
Modern stack	TypeScript, React, Next.js, PostgreSQL, SQLite, Docker and Caddy.
Boundary	Employer and customer details remain confidential; synthetic labs are visibly labeled.

Business systems

AI-assisted process modernization

The process is mapped before a model is selected. Each step becomes automate, assist or keep-human; representative fixtures, evaluations, audit evidence, recovery and rollback surround the pipeline. Owner-confirmed employer work remains confidential, while MK1 Command and executable public labs make the engineering pattern inspectable.

ERP and steel-domain processes

Long-term professional work with order, purchasing, inventory, material, batch or coil, logistics, invoicing and exception processes. The portfolio demonstrates methods through a fictional ForgeFlow case, never by presenting employer material as public work.

B2B EDI and APIs

Partner profiles, mappings, acknowledgements, validation, idempotency, reconciliation, retries and operations are treated as one lifecycle. API documentation covers contracts, onboarding, examples, errors, webhooks and production behavior.

Owner-built evidence

- Persona Studio - public, self-hosted creator workspace for planning, publishing and analytics.
- RoamTale - public, AI-assisted product for travel-photo content workflows.
- MK1 Command - public, auditable operations control plane with a clearly separated synthetic demo mode.
- AI Process Modernizer - public executable TypeScript lab for human-gated AI process design and replayable evidence.
- n8n Workflow Guard - public executable Python lab for workflow security and recovery review.
- OpenAPI Change Guard - public executable .NET lab for contract compatibility gates.
- BetManager Pro - private local sports-data platform represented through sanitized screenshots and a case study.
- RoamTale n8n Automation - self-hosted, version-controlled workflow suite with explicit activation boundaries.

How engagements are approached

- Map the process, decision owners and failure states before choosing a model.
- Automate reversible preparation; human-gate consequential action.
- Make evaluation, retries, idempotency, audit and recovery explicit contracts.
- Ship docs, examples, tests, runbooks and rollback with the implementation.
- Label assumptions and evidence so that stakeholders can verify what is real.

Useful first engagements

AI process pilot	One current workflow, one assisted path, evaluation, human approval, audit and recovery.
Legacy modernization slice	Characterize one boundary, wrap it, compare outputs and keep rollback.
API and integration gate	OpenAPI contract, representative endpoint, idempotency, errors and CI compatibility check.
n8n reliability review	Credential boundary, webhook authentication, retries, error path, recovery and handover.
ERP / EDI interface	One business document and partner flow with validation, deduplication and reconciliation.

Public entry points

- Personal profile: <https://marvin.mk1.rocks>
- Technical evidence and downloads: <https://docs.mk1.rocks/en/>
- Public code and executable labs: <https://github.com/mk1-dev0>
- AI operations control plane: <https://command.mk1.rocks>

Every public item states whether it is owner-built public work, sanitized private evidence or a purpose-built synthetic lab. Paid-client counts and confidential employer details are never inferred from a demo.

Scope note: factual claims follow the public claim register at docs.mk1.rocks/claims.json.