Alejandro Aguirre Luna

AI Engineering Enablement & Agentic AI Delivery Lead

Netherlands & Global (Remote-First)

Open to selected AI engagements — freelance, NL (hybrid) and remote.

✉️ alejandro@alejandrolunatech.com | 🌐 alejandrolunatech.com/ | in LinkedIn | ⧉ GitHub | 🧪 AI Engineering Labs

PROFESSIONAL SUMMARY

AI-assisted engineering, agentic workflows and AI adoption at scale. Engineer first, 15+ years in software delivery.

AI engineering enablement and agentic AI delivery consultant with 15+ years in software engineering and software delivery. I help engineering organisations roll out AI-assisted development (Claude Code, GitHub Copilot) and agentic workflows with real guardrails: evals, budgets, threat models and human approval gates.

I combine three things that rarely sit in one person: I build agentic systems myself (Python, MCP, LLM evals, CI; 480+ automated tests in my own labs), I have led delivery for 10+ team programmes as a Release Train Engineer, and I started as a Java/Spring Boot engineer at Backbase. That means I can design the workflow, get it adopted across teams and measure the effect on flow.

Recent focus: agentic, MCP-enabled workflows and bounded AI agents at Booking.com; GitHub Copilot adoption and responsible-AI practices at AH Tech. Most recently I shipped Bouwarchief AI on AWS: retrieval-augmented answers with page citations over scanned, handwritten building drawings, and a vision model I fine-tuned to sort them (demo on request). I also built ArkTS Agent Lab, an evaluation of six coding models on ArkTS, the HarmonyOS language: feeding the checker's errors back to the model raised the tasks passed from 118 to 159 of 240, while a rule sheet or API lookup given once changed little.

Bilingual English/Spanish. Based in the Netherlands.

CORE CAPABILITIES

- ▸ AI-Assisted Engineering Enablement (Claude Code, GitHub Copilot)
- ▸ Agentic Workflow Design & Delivery (MCP, tool use, human-in-the-loop)
- ▸ LLM Evals, Guardrails & Cost Controls
- ▸ Developer Tooling for Coding Agents (eval harnesses, checkers in the loop, MCP)
- ▸ AI Governance & AI Literacy (EU AI Act Art. 4)
- ▸ AI Adoption at Scale (10+ teams, 50+ people)
- ▸ Python, LLM APIs, RAG & Model Fine-tuning
- ▸ Value-Stream & Flow Measurement for AI Impact
- ▸ Release Train Engineering (SAFe)
- ▸ Hands-on Workshop & Enablement Design
- ▸ CI/CD, DevSecOps & Secrets Management
- ▸ Java/Spring Boot Microservices, Docker, Kubernetes (CKAD)
- ▸ Stakeholder & Executive Communication (EN/ES)

SELECTED WORK & REPRESENTATIVE PROGRAMMES

Bouwarchief AI: RAG and a fine-tuned vision model on AWS (demo on request)

RAG · Computer Vision · Cloud

Own product · Python, Amazon Bedrock, AWS Lambda (CDK)

- Answers questions about a real Dutch building archive (287 scanned PDFs, 339 pages from 1975 to 1977, many handwritten, no text layer) in Dutch, English or Spanish, cites the PDF page and opens the drawing in a zoomable viewer; refuses when the archive does not say
- Fine-tuned a DiT vision transformer on a Colab T4 GPU to sort the pages into 6 drawing types and exported it to ONNX: macro F1 0.902 ± 0.007 over 3 seeds, against 0.826 for a logistic-regression baseline
- Retrieval with reranking and an abstention threshold, a 48-question golden set in 3 languages for evals, and Claude Haiku 4.5 on Bedrock writing answers only from the retrieved records; one Lambda container in eu-central-1 behind a passphrase, built with AI coding agents under my architecture and review

ArkTS Agent Lab: what makes coding agents write correct ArkTS

Developer Tooling · Coding Agents · LLM Evals

Own R&D · public repo · TypeScript, Node.js · github.com/alejandrolunatech/arkts-agent-lab

- Evaluated six coding models on 40 tasks in ArkTS, the HarmonyOS language that looks like TypeScript and is stricter, under five conditions (1,200 attempts). Feeding the checker's errors back to the model raised the tasks passed from 118 to 159 of 240; a one-page rule sheet or API lookup given once changed little
- A judge that needs no model and no device: the OpenHarmony fork of the TypeScript compiler for syntax and types against the HarmonyOS SDK declarations, the official ArkTS linter, hidden behaviour tests in a locked-down process and structure facts read from the syntax tree
- The same checker runs as a language server (LSP), as an MCP server for agents and inside an IntelliJ plugin prototype; each task is proven by a reference solution that passes and a plausible TypeScript-style answer that must fail; built with AI coding agents under my design and review

AI Engineering Labs & ChangeBrief (in progress)

LLM Engineering · Agentic AI

Own R&D · public repo · github.com/alejandrolunatech/ai-engineering-labs

- Public ai-engineering-labs repo: bounded PR-review agent, zero-trust MCP gateway and an AI engineering golden path, with 480+ automated tests
- ChangeBrief (lab 05): a small LLM service that turns pull requests into change briefs
- Eval gate in CI, cost and latency telemetry, per-IP rate limits, provider spend cap and a tested kill switch

Own AI products: Interview Audio Pack (live) & Kinotela

LLM Pipelines · Full-Stack

Own products · TypeScript, Next.js, PostgreSQL

- Interview Audio Pack: paid service with Stripe, an automated Claude + ElevenLabs pipeline and a human approval gate the system enforces; live since Oct 2026
- Kinotela: brand video studio with quote-before-spend model calls and an append-only cost ledger (in progress)
- Built with AI coding agents under my architecture and review; 1,000+ automated tests in each

Agentic AI Enablement — Software Delivery

FinTech · Software Delivery · AI Enablement

Booking.com

- Designed agentic workflows for workshop preparation, experiment follow-up and data-informed value-stream mapping
- Configured bounded AI coaching agents and reusable skills with explicit human accountability for outputs
- Designed hands-on AI enablement and evaluated AI skills for Agile and Product workflows

AI-Assisted Engineering Enablement

Retail · eCommerce · Logistics

Large Retail eCommerce Environment (Albert Heijn / AH Tech)

- Enabled AI-assisted delivery across Dev(Sec)Ops teams on mission-critical systems
- Coached GitHub Copilot adoption and responsible AI practices

- Improved backlog quality and cross-functional stakeholder alignment

Scaled Delivery Leadership — EV Infrastructure

EV Infrastructure · CleanTech

EVBox Group

- Led programme-level alignment across 10+ Scrum teams using SAFe
- Delivered Eichrecht-compliant product initiatives under regulatory constraints
- Bridged executive and engineering communication at programme level

Enterprise API & Microservices Delivery

Fintech · Enterprise Banking

Backbase — Digital Banking Platform

- Designed and shipped enterprise RESTful APIs and microservices
- Delivered production systems using Java 11, Spring Boot, Kubernetes
- Worked with international banking clients in complex delivery environments

EXPERIENCE

AI Engineer, own AI products CURRENT

Alejandro Luna AI Delivery & Transformation · 2026 – Present · Netherlands · Remote

LLM Engineering · Agentic AI · SaaS

Designing, building and running my own AI products end to end: LLM pipelines, evals, cost controls and human approval gates, from architecture to payments, deployment and operations.

KEY OUTCOMES

- Bouwarchief AI (live on AWS, demo on request): RAG over 339 scanned, often handwritten building drawings that answers in Dutch, English or Spanish with page citations and refuses when the archive is silent, plus a vision transformer I fine-tuned on a GPU to sort the pages (macro F1 0.90 against a 0.83 baseline)
- Interview Audio Pack (live since October 2026): paid service with an automated Claude + ElevenLabs pipeline and a human approval gate the system enforces
- ChangeBrief: governed LLM service with an eval gate in CI, rate limits, a spend cap and a tested kill switch; Kinotela: brand video studio with quote-before-spend model calls (in progress)
- Built with AI coding agents (Claude Code) under my architecture and review; every change goes through a pull request with CI, and I review and merge every one

TECHNOLOGIES & TOOLS: LLM APIs · RAG · Fine-tuning (DiT, ONNX) · Amazon Bedrock · AWS Lambda + CDK · Claude Code · LLM evals · Human-in-the-loop AI · Python · FastAPI · TypeScript · Next.js · PostgreSQL · Stripe · Vercel

Agile Coach & AI Enablement (freelance)

Booking.com · Jun 2026 – Oct 2026 · Amsterdam, Netherlands

FinTech · Software Delivery · AI Enablement

Freelance Agile Coach & AI Enablement within Booking.com's FinTech organisation, building agentic AI workflows and enabling AI-assisted software delivery with Product, Engineering and leadership across multiple cross-functional teams.

KEY OUTCOMES

- Built agentic, MCP-enabled workflows for workshop preparation, experiment tracking and data-informed value-stream mapping, cutting manual preparation work
- Configured bounded AI agents and reusable skills with evidence rules and explicit human accountability for every output
- Designed hands-on AI enablement for coaches and product people, and evaluated new AI skills for product and delivery workflows

- Coached cross-functional FinTech teams on flow, predictability and ownership

TECHNOLOGIES & TOOLS: Agentic workflows · MCP-enabled integrations · Human-in-the-loop AI · AI-assisted development · Value Stream Mapping · Agile coaching · Workshop facilitation

---

AI Enablement & Delivery Lead (Senior Scrum Master role)

Albert Heijn / AH Tech · Oct 2025 – Jun 2026 · Zaandam, Netherlands

eCommerce · Fulfillment · Logistics

Operating within a large-scale eCommerce platform supporting fulfillment, logistics, and mechanization systems — combining software, automation, and operational complexity at scale.

KEY OUTCOMES

- Led GitHub Copilot adoption in the daily workflow of Dev(Sec)Ops teams on mission-critical fulfilment and logistics systems
- Introduced responsible-AI practices and governance awareness, keeping engineering standards intact
- Designed and ran AI adoption workshops for engineering and product teams
- Improved delivery predictability and alignment between engineering, product and operations

TECHNOLOGIES & TOOLS: GitHub Copilot · AI-assisted development · Responsible AI · DevSecOps · Workshop design · Stakeholder alignment

---

Founder & IT Transformation Consultant

Arkad · Apr 2025 – Oct 2025 · Netherlands

Consulting · Transformation

Designed and executed end-to-end transformation initiatives combining business strategy, technical implementation, and training.

KEY OUTCOMES

- Built AI-assisted sourcing systems in Python with LLM APIs
- Designed and delivered a 6-week transformation programme for 50+ participants
- Built automated digital funnels and lead-generation systems; taught non-technical users to apply automation

TECHNOLOGIES & TOOLS: Python · ChatGPT / LLMs · Workshop facilitation · Market research & product design

---

Release Train Engineer

EVBox Group · Mar 2023 – Apr 2025 · Amsterdam, Netherlands

EV Infrastructure · CleanTech

Led large-scale delivery across embedded systems, cloud platforms, and mobile applications for a 10+ team Agile Release Train.

KEY OUTCOMES

- Ran delivery for a 10+ team release train across embedded, cloud and mobile products
- Facilitated quarterly PI Planning for 50+ people; bridged C-level strategy and engineering execution
- Delivered product initiatives under Eichrecht regulatory constraints in multiple markets

TECHNOLOGIES & TOOLS: SAFe / delivery at scale · PI Planning · Stakeholder management · Systems thinking · Workshop facilitation

---

Scrum Master, CI/CD-focused team

EVBox Group · Sep 2021 – Mar 2023 · Amsterdam, Netherlands

EV Infrastructure · CleanTech

Coached a cross-functional team in a technically complex hardware/cloud/embedded environment.

KEY OUTCOMES

- Built and coached a CI/CD-focused team, improving release frequency and cycle time

TECHNOLOGIES & TOOLS: CI/CD · DevOps · Scrum

Senior Software Developer

Backbase · Jun 2019 – Aug 2021 · Amsterdam, Netherlands

Fintech · Enterprise Banking

Developed enterprise banking systems with high standards of scalability, reliability, and security.

KEY OUTCOMES

- Designed and implemented microservices and APIs at scale
- Delivered production-ready systems using Docker and Kubernetes
- Collaborated with solution architects and international banking clients

TECHNOLOGIES & TOOLS: Java 11 · Spring Boot · Kubernetes · Docker · Microservices · REST APIs · IntelliJ IDEA

Senior Software Engineer

Earlier Engineering Foundation (2011–2019) · Feb 2011 – Jun 2019 · Colombia / International

Technology · Public Sector · Services

Strong technical foundation across backend systems, databases, frontend, and DevOps practices.

KEY OUTCOMES

- Built scalable backend systems using Java ecosystem
- Implemented TDD/BDD practices improving code quality
- Delivered end-to-end solutions across multiple industries

TECHNOLOGIES & TOOLS: Java · SQL / NoSQL · REST APIs · TDD / BDD · DevOps · IntelliJ IDEA

COMPANIES INCLUDED IN THIS PERIOD: TEAM International — Jun 2015 – Jun 2019 · Globant — Nov 2016 – Mar 2017 · Tradeway — Apr 2013 – Jun 2015 · Carvajal — Jan 2013 – Apr 2013 · IGAC — Nov 2011 – Jul 2012 · Treesoft — Feb 2011 – Jul 2011

CERTIFICATIONS

★ **GitHub Copilot** — Microsoft · 2026
AI & Development · Verify ↗

★ **GitHub Copilot Certification** — KodeKloud · 2026
AI & Development · Verify ↗

★ **AI-Assisted Development** — KodeKloud · 2026
AI & Development · Verify ↗

★ **MCP For Beginners** — KodeKloud · 2026
AI & Development · Verify ↗

★ **Certified Kubernetes Application Developer (CKAD)** — Linux Foundation · 2020 (expired 2023)
Cloud & Engineering · Verify ↗

★ **Professional Scrum Master II (PSM II)** Scrum.org · 2025

Agile & Leadership · Verify ↗

TECHNICAL SKILLS

AI Engineering: Claude Code · GitHub Copilot · MCP · Agentic workflows · RAG · Fine-tuning (Hugging Face, ONNX) · LLM evals · Prompt & context design · Python · Anthropic / OpenAI / OpenRouter APIs · Human-in-the-loop design · Responsible AI governance

Software Engineering: Python · Java · Spring Boot · TypeScript · Node.js · Next.js / React · REST APIs · Microservices · TDD / BDD · SQL / PostgreSQL · IntelliJ IDEA

Platform & DevOps: GitHub Actions · CI/CD · Docker · Kubernetes (CKAD) · Vercel · AWS (Lambda, Bedrock, CDK) · Azure DevOps · Dev(Sec)Ops

Delivery at Scale: SAFe · PI Planning · Scrum (PSM II) · Kanban · Value-stream mapping · Programme delivery

EDUCATION

B.Sc. Computer Science & Telecommunications Engineering · Universidad Sergio Arboleda, Bogotá, Colombia (2006–2012)

Enterprise Java (Java EE) — International Internship · Infosys, Mysore, India (2012)

C1 English Proficiency · LTC Eastbourne, Eastbourne, England (2011)

Let's work together

Open to selected AI engagements — direct consulting and partner-led delivery models.

alejandro@alejandrolunatech.com · alejandrolunatech.com/ · Connect

Alejandro Luna AI Delivery & Transformation · KVK: 42066655 · VAT ID: NL005471465B05