YOUCEF CHEHBOUB

AI & Automation Engineer | Enterprise Platforms

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PROFESSIONAL SUMMARY

Software engineer working on AI, automation and data. At INSEAD I build and run enterprise platforms: Symfony and SQL Server on the backend, Next.js on the front, owning the schema changes and production releases. Outside work I ship AI products and automated content pipelines where the hard part is trust - validated output, human approval gates, and an audit trail. Three years in enterprise platforms, with side projects shipped alongside.

WORK EXPERIENCE

Systems Analyst, INSEAD

Fontainebleau, France | Dec 2023 - Present

Enterprise platform (APOL, Symfony)

- Own a core business domain of APOL across four Symfony bundles: application forms, financial profiles, evaluator views, awards and reporting. Take each change from specification through development and UAT to production.
- Rebuilt financial integrity for awards and budgets: numeric-amount validation, cleanup of invalid records, withdrawal-aware queries and the reversal workflow.
- Shipped a budget and funding dashboard (academic-year scoping, allocation, exports) and a paginated catalogue API v2 with gender, nationality and programme filters.
- Extended large application forms: new rounds, campus selection, conditional rendering and interview scheduling.

Data and integration

- Led the PeopleSoft to Salesforce Ascend migration review: SQL view diffing and key-join reconciliation across 91 CP1252-encoded CSV exports, delivering the executive summary and technical reports behind the wrap-up plan.
- Fixed cross-system defects at source: PeopleSoft email keys, country-to-nationality mapping, duplicate records and asset redirection.

Platform and delivery

- Run APOL in production Docker and own the SQL Server schema change each release depends on.

AI-assisted development

- Wrote INSEAD's AI-assisted development framework: classify by data and integration risk, build safely, review, promote, then own or retire.
- Wrote the APOL single-source-of-truth documentation and a code knowledge-graph explorer so the platform's structure is not held by one person.

Independent AI & Automation Engineer

Freelance | 2024 - Present

- Sentio (live): multi-agent app where specialised agents - advocates, psychological analysis, common ground, jury, judge - turn two private accounts into one shared output. Privacy is enforced by Postgres row-level security; crisis language short-circuits generation before it runs.
- Agent Foundry (MIT, npm @youcisla/agent-foundry): a skill library, three agent roles and a Python orchestrator, with a judge on a written rubric, an eval harness and quality gates as runnable checks.
- Zero-Trust Trader: a trading agent with no authority to act. Orders need human approval plus a separate consent token with idempotency keys; AutoTrading stays off; every action goes to a JSONL audit trail. Built after measuring the previous system: 1,074 positions, 38.6% win rate, -0.49R.
- Automated content and data: a private n8n stack (8 workflows) for AI video generation and republishing - Sora 2, Veo 3, Suno music, story-series and Telegram bots - with a JSON-to-video renderer (TTS, ffmpeg, captions). Data: a Bronze/Silver/Gold lakehouse over live and batch feeds with Kafka, Spark and Airflow, plus reconciliation of ~7.8 GB of parquet.

EDUCATION

Mastère I.A., Dev & Datas (2-year Master, M1 + M2, work-study) | ***2025 - Jan 2027 (ends 22 Jan)***
IPSSI, Paris

Bachelor Concepteur de projets SI (work-study) | ***2024 - Feb 2025***
ETNA, Ivry-sur-Seine

DEUG in Computer Science
Université Savoie Mont Blanc

CERTIFICATIONS

- Titre professionnel « Concepteur de projets SI » (RNCP level 6), ETNA, February 2025
- Impactful Communication for Leaders, INSEAD Executive Education, Sep - Dec 2025

SKILLS

Languages and frontend: TypeScript, Python, PHP 8, SQL, T-SQL, React 19, Next.js 15, Symfony, Twig, Node.js
Backend and data: FastAPI, Prisma, Doctrine, PostgreSQL, SQL Server, MySQL
AI engineering: multi-agent orchestration, structured output, prompt evaluation, RAG, MCP, Anthropic / OpenAI APIs, Ollama
Automation and delivery: n8n, Docker, Git, GitHub Actions, Vercel, Supabase, Playwright, Spark, Kafka, Airflow