

Aymen El Amri

Independent instructor and engineer -DevOps, SRE, Cloud Native, generative and applied AI

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UPDATED - SEPTEMBER 2026

In brief

Independent instructor and engineer since 2017, specialising in DevOps, SRE, Cloud Native, and generative and applied AI. Designs and delivers training on Docker, Kubernetes, Ansible, GitLab, ArgoCD, observability, DevSecOps and generative AI, both in-house and open-enrolment. More than a thousand people trained, on site, remotely and online. Author of some twenty technical books, with books and articles translated into French, Korean, Chinese, Japanese and Russian, and cited as references in peer-reviewed scientific literature. Founder of FAUN.dev.

9 years of professional training	55+ sessions delivered	42+ programmes in the catalogue	21+ books published
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Areas of work

ABOUT TEN FAMILIES · 42+ PROGRAMMES

Kubernetes and its ecosystem Kubernetes, Helm, Rancher, RKE2, K3s, Fleet, Longhorn, cluster administration, and Kubernetes for development teams
Containers Docker, Docker Compose, Portainer, from first steps to advanced features
Infrastructure as code and automation Ansible, Ansible Automation Platform, AWX, SaltStack
CI/CD and GitOps GitLab CI, ArgoCD, GitHub Actions, continuous delivery pipelines
Observability and SRE Prometheus, Grafana, SRE Foundation, production monitoring and metrics, and the distributed-systems operating practices as Google formalised them
DevSecOps and security Securing the delivery chain, vulnerability scanning, hardening images and clusters, NeuVector
Generative AI and LLMs Language models, retrieval-augmented generation (RAG), fine-tuning, agents, local AI with Ollama, Model Context Protocol
Prompt engineering Principles, good practice, tooling, designing prompts for production
Coding assistants and productivity GitHub Copilot, Copilot Studio, generative AI and AI agents applied to development, content and recruitment, designing no-code agents

Executive briefings

Digital transformation, the stakes and uses of distributed systems and Cloud Native, the state of DevOps practice, emerging technologies and artificial intelligence

Delivered in-house or open-enrolment, on site or remotely. One to five days, longer depending on the programme.
Course material and lab exercises designed and maintained in-house.

Companies trained

MORE THAN 55 SESSIONS DELIVERED

Microsoft	Intel	Société Générale	Michelin
French Ministry of the Armed Forces	French Ministry of National Education	French Ministry of the Interior	Orange
EDF	Iliad / Free	French National Health Insurance	City of Strasbourg
Le Havre Hospital Group	General Electric	Synechron	Sagemcom
Cryostar	Mediagenix	Config	Echosens
Coyote System	Viadialog	RS2i	Amphenol Socapex
4JS	NTI	GPSEA	CentralPay
Lazeo	Kabia	Vademi	UOC

Sectors - defence and security · health and hospitals · banking, finance and payments · social protection · industry and energy · telecoms and carriers · public sector and local government · national education and research · software vendors and SaaS · media and broadcasting · transport and mobility · consulting and digital services.

Publications

21+ BOOKS · MOST WITH AN EXERCISE KIT

CONTAINERS AND KUBERNETES

Painless Docker 2 ^e édition	Cloud Native Microservices With Kubernetes 2 ^e édition
Helm In Practice	End-to-End Kubernetes With Rancher, RKE2, K3s, Fleet, Longhorn And NeuVector

CI/CD, GITOPS AND AUTOMATION

Cloud Native CI/CD With GitLab	GitOps The Hard Way With ArgoCD
The Ansible Workshop	AWX in Action
SaltStack For DevOps	Learn Git In A Day

OBSERVABILITY AND SECURITY

Observability With Prometheus And Grafana	DevSecOps In Practice
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OpenAI GPT For Python Developers 2 ^e édition	LLM Prompt Engineering For Developers
Practical MCP With FastMCP	Local AI Engineering With Ollama
Building With GitHub Copilot	Copilot Studio in Action
Generative AI For The Rest Of Us	The Augmented Developer

DEVELOPMENT

Python From Zero To Microservices

Distribution -published and distributed by FAUN.dev, Amazon, Packt, Hanbit Media, DMK Press, O'Reilly, Leanpub, Google Books, Kobo and Fnac. Several titles ranked as category bestsellers on Amazon and Leanpub, across several periods. Books listed on Read This Twice.

Online courses -courses, quizzes and learning paths published on FAUN.sensei(), a platform designed and built in-house.

Cited by research RESEARCHERS AND DOCTORAL CANDIDATES · PEER-REVIEWED PUBLICATIONS

Books taken up as references by researchers and doctoral candidates, in peer-reviewed work.

2026 EJOURNAL OF TAX RESEARCH <i>Tax, LLMs, RAGs and some soft logic</i> Bernie Walrut · eJournal of Tax Research, UNSW Sydney · vol. 24, n° 1, p. 91-140 LLM Prompt Engineering for Developers cited eight times, as a reference on tokens, programming interfaces and the architecture of GPT models.
2025 FSE 2025 · ACM <i>What do professional software developers need to know to succeed in an age of Artificial Intelligence?</i> Kam, Miller, Wang, Tidwell, Lee, Malyn-Smith, Perret, Tiwari, Kenitzer, Macvean, Barrar · Proceedings of the 33rd ACM International Conference on the Foundations of Software Engineering · DOI 10.1145/3696630.3727251 · arXiv 2506.00202 LLM Prompt Engineering for Developers and The Augmented Developer cited in the bibliography. Authors affiliated with Google and Microsoft.
2025 SIGCSE 2025 · ACM <i>The AI-Enhanced Software Engineer: A Snapshot of the Profession</i> Proceedings of the 56th ACM Technical Symposium on Computer Science Education, vol. 2 · DOI 10.1145/3641555.3705263 Work cited in a study on how the software engineering profession is changing in the face of AI.
2024 PROFIT AI 2024 <i>Development of an Intelligent Search Engine using GPT model for GrantsForScience platform</i> 4th International Workshop of IT-professionals on Artificial Intelligence · CEUR Workshop Proceedings, vol. 3777 OpenAI GPT For Python Developers cited in the bibliography as an implementation reference.
2023 SSRN <i>Causality Network Formation with ChatGPT</i> Social Science Research Network · DOI 10.2139/ssrn.4464477 Work cited in a study on causality network formation assisted by a language model.

Career

2017 → now	Freelance consultant, eralabs Cloud Native and DevOps consulting: Kubernetes architecture, CI/CD, infrastructure as code, observability. Advanced in-house training, including at Microsoft and Intel.
2016 → now	Founder, FAUN.dev A platform and community for engineering teams. Technical newsletters including DevOpsLinks, community-published articles, a tool directory with reviews, comparisons, alternatives and personal toolboxes, and FAUN.sensei(), the home for online courses, quizzes and learning paths. An audience of 100,000 developers and engineers, including teams at GitHub, Netflix and Shopify.
2017 → now	Advisor to technology startups Mappear, Cloudplex and others. Supporting founding teams on technical depth, business leverage and scaling. At Mapppear, from 2017 to 2020, technical assessment of candidates.
2024 → now	Founder, Ragger An infrastructure and API platform for conversational agents built on retrieval-augmented generation.
2020 → now	Founder, The Chief I/O An online publication covering Cloud Native technologies and software engineering.
2020 - 2025	Founder, MarketToDev A marketing platform for companies addressing an engineering audience.
2017 - 2018	CTO and co-founder, Incruizer Led a web and mobile team, from design through delivery.
2015 - 2017	Chief technical architect, Weblib Hybrid Edge, Fog and Cloud architecture. SLA raised to 99%, a team built, and a container-based DevOps pipeline established.
2014 - 2015	DevOps and continuous integration engagements - ERDF, EDF, Michelin Travel Partner, Inovans Centralised configuration management, deployment automation, RHEL operations under heavy load. At ERDF, pre-deployment configuration management cut from 5 days to 30 minutes.
2010 - 2013	Co-founder, Mouat'n / HSTN Open source platforms for civic participation and OpenData, for civil society, NGOs, local government and political organisations. Training on privacy and communications security.
2010 - 2014	Independent software engineer Managed Linux hosting on virtual private servers: installation, hardening, monitoring and backup. Custom development and training for client teams. Alongside that, the design of a real-time multiplayer strategy game on Android with a Java server, at Focus Corporation.

Education

2013	Lund University, Sweden - Social innovation in a digital context
2012	Higher Institute of Computer Science, Tunis - Research master's, software engineering
2010	ISSAT, Tunisia - National engineering degree, real-time computing
2007	INSAT, Tunisia - University degree, networks and telecommunications

Distinctions and speaking

SINCE 2019 DevOps Institute Ambassador Founding cohort of the global programme, listed for France.	2018 TechBeacon DevOps 100 Among the most followed DevOps figures worldwide.
NATIONAL AWARD First prize for free software National competition, first place.	CIO APPLICATIONS Top 10 DevOps consulting in Europe European ranking, for eralabs.

- 2019** **Global SKILup Day**, DevOps Institute - speaker for Europe at the first global continuous-learning conference, broadcast without interruption across every time zone, on 10 December. Programme shared with Red Hat, CloudBees, ThoughtWorks, Sonatype, Pivotal and Delphix.
- 2019** **DevOps India Summit**, Bangalore - a half-day Cloud Native workshop, and the session "Designing Cloud Native Applications: The Best Practices". Programme shared with Microsoft, Pivotal, Collabnet and Red Hat.
- 2019** **École 42**, Paris - auditorium talk on the Linux kernel, Docker and the internals of containerisation.
- 2019** **Docker Meetup Tunisia** - speaker.
- 2018** **DevOps India Summit**, Bangalore - Cloud Native speaker, alongside John Willis, Sanjeev Sharma, Marc Hornbeek and GitLab.
- 2018** **Onepoint**, Paris - guest of the first Architecture Meetup, at the Trocadéro head office, with the talk "Architecture At The Cloud Native Era".
- 2018** **Comet Tech Meetup**, Paris - speaker, to an audience of technical freelancers.
- 2017** **DevOpsDays** - opening speaker on DevOps teams and building technical communities.

Partnerships -FAUN.dev is a partner of Jenkins Community Day, ContainerDays, DevOpsDays and DevOps REX.

Writing and press

Contributions -articles published by InfoQ and TechTarget. Articles picked up by industry newsletters, including the CNCF's. Listed on the official Kubernetes blog, kubernetes.io.

Rankings -among the top 100 authors of the year on Medium, and among the top 100 authors of the year on HackerNoon.

Work covered by -TechBeacon, Libération, The Huffington Post, TechTarget, Entrepreneur, CIO Applications, InfoQ, Leanpub, DevOps Institute, LinuxRecruit and école 42.

Languages

French, English and Arabic: fluent. German: basic.