



EMRIN ANGELOV

Engineer

Senior Full-Stack DevOps Engineer & Software Architect

e10v.com | emrinangelov.com
+41 79 898 58 29 | +33 7 81 39 02 77
Publier, France
linkedin.com/in/emrin-angelov
e10v@pm.me
@Emrin

SUMMARY

I'm a Full Stack & DevOps Engineer with 6+ years of experience building secure, production-grade platforms across FinTech, SaaS, and cloud-native environments. With an MS in Computer Science, I've led end-to-end architecture, development, and deployment for full-scale products used by thousands—often as the primary or sole engineer.

From launching analytics engines and automating CI/CD pipelines to hardening cloud infrastructure against real-world threats, I bring a product-focused, security-conscious mindset to everything I build. I've worked closely with CTOs, led new product initiatives from scratch, and thrived in high-stakes startup environments where autonomy and delivery matter.

Key strengths:

- Full product ownership: backend, frontend, DevOps, cloud
- Deep security focus: OWASP, bot mitigation, hardened infra
- Proven impact in high-autonomy, high-trust roles
- Strong collaborator across R&D, product, and leadership

On the human side: I thrive in fast-moving teams, enjoy simplifying complexity, and reset through long-distance running after deep technical sprints.

SKILLS (1-6 years)

Programming & Frameworks

- **Expert (5+ yrs):** TypeScript, JavaScript, HTML, CSS, Node.js, React, Next.js, Astro, Tailwind CSS
- **Proficient (2–4 yrs):** Python, Vue.js, Nuxt.js, Redux
- **Familiar (≤ 1 yr):** Angular, Rust, Django, PHP, Remix.js, Cordova, Jest

Cloud & DevOps

- **Expert (3+ yrs):** Expert (3+ yrs): Docker, Docker Compose, GitHub Actions, Google Cloud Platform, Shell Scripting, Cron Jobs, Server Hardening, Linux (Debian, Fedora, Qubes OS, RedHat)
- **Proficient (1–2 yrs):** Ansible, Prometheus + Grafana, Loki, Cadvisor, Exporters, Promtail, Alertmanager, k3d/k3s, AWS, Azure, ELK Stack (Elasticsearch, Logstash, Kibana), Bare-metal Hosting
- **Familiar (≤ 1 yr):** Kubernetes (k8s), GitLab CI/CD, Terraform

Databases & Storage

- **SQL:** PostgreSQL, MySQL, Prisma ORM
- **NoSQL & Cache:** MongoDB, Firebase, Redis, Elasticsearch

APIs & Integrations

- REST, GraphQL, OAuth2 & JWT, Stripe (payments & subscriptions), Webhooks, AI & chatbot APIs

Security & Cyber-Defense

- Bot Mitigation, CAPTCHA, Cloud Security, OWASP Best Practices, OpSec, PGP, Rate Limiting, Session Management, WAF

Architecture & Performance

- SSR/SPA/SSG optimizations, SEO & UX performance tuning, Caching strategies, Scalable system design

Other Tools & Concepts

- Linting & formatting, Cryptocurrency integrations, SEO tooling, WordPress

Soft Skills

- Cross-functional teamwork • Leadership • Problem solving • Research & analysis • Stakeholder communication

EXPERIENCE (6 years)

Principal Software Engineer & Product Owner (Contract) | NDA Project, US FinTech Startup (Remote) | 03/2024 – 07/2025

• **Architected and deployed** two security-critical web platforms for digital operations, achieving industry-grade resilience and reducing manual deployment steps by 60%.

• **Developed monitoring and alerting systems** using Prometheus, Grafana, Loki, Cadvisor, Promtail, and Alertmanager with cronjobs and custom dashboards, decreasing mean time to detection/resolution by 25%.

• **Built End-to-End CI/CD Pipelines** with GitHub Actions, Docker & Docker-Compose, and GCP, automating build, test & deploy across dev, staging and prod, cutting release cycle time in half.

• **Hardened Infrastructure** on Google Cloud Platform using WAF rules, OWASP best practices, server-hardening scripts and a custom reverse-proxy security layer—mitigating over 95% of automated attack traffic.

• **Engineered Scalable Backends** (Node.js, Nginx, Redis caching, PostgreSQL + Prisma ORM), optimizing average response times by 40% under peak load.



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- **Led Frontend Development** with Astro, Next.js, React, Tailwind CSS & TypeScript—implementing SSR, i18n, theming and an intuitive UI/UX that improved performance scores by 30%.
- **Automated secure deployments** via Ansible playbooks for remote server access, container orchestration with Docker Compose, and infrastructure provisioning—ensuring high availability and reducing deployment errors by 50%.
- **Implemented Robust Authentication & Bot-Mitigation**, including stateful sessions, custom captchas and advanced form/file validation (client & server), reducing fraud attempts by 90%.
- **Developed Monitoring & Alerting Systems** (custom dashboards, cronjobs, blockchain-scanner) to track key metrics, decreasing mean time to detection/resolution by 25%.
- **Authored & Maintained** extensive technical documentation, linting rules and Git commit hooks to enforce “security-by-compartmentalization” and maintain code-quality standards.
- **Spearheaded R&D Initiatives** focused on security specifications, resilience testing and performance tuning—driving a 50% increase in system throughput over baseline.
- **Explored Container Orchestration** with k3d/k3s for local and production clustering, improving development workflows and scalability testing.

Senior Software Engineer & Product Technical Lead | nBold.co & Microsoft Teams App (Station F, Paris) | Jan 2022 – Feb 2024

- **Launched** two modular extensions—Connected Apps and nBold Analytics—via nBold’s public APIs, enabling seamless low-code integration and real-time insights.
 - **Engineered Connected Apps**, a tray.io-powered in-Teams app store that empowers non-dev users to build custom workflows (Salesforce, HubSpot, etc.) and automatically post updates to Teams channels.
 - **Built nBold Analytics**, a metrics engine using PostgreSQL, PostgREST, Jitsu & Metabase to deliver interactive, real-time dashboards on platform and third-party service usage.
 - **Crafted dynamic connectors** with Next.js, React Hook Form, Zod, Redux & Axios for strict validation and robust error handling across all low-code workflows.
 - **Automated CI/CD pipelines** and infrastructure provisioning with Docker Compose, GitHub Actions & Azure—standardizing build-test-deploy across dev, staging & prod.
 - **Led R&D & hiring**, conducting technical interviews and evaluating webhook architectures and micro-frontend patterns to shape the product roadmap.
 - **Authored comprehensive documentation**, ESLint/Husky workflows and security best practices to accelerate team onboarding.
- Technologies:** Next.js · React · TypeScript · Tailwind CSS · tray.io · PostgreSQL · PostgREST · Jitsu · Metabase · Docker · Docker Compose · GitHub Actions · Azure · React Hook Form · Zod · Redux · Axios · ESLint · Husky · Jest · Remark · useHooks

Founder & Principal Engineer | Aclipt (aclipt.com) | Paris, France | Launched 2020 – Closed 2023

- **Launched & scaled Aclipt**—an enterprise-grade, free global appointment-booking PWA—growing to 2,000+ users and 150 professionals, and processing 4,000+ bookings before the platform was sunset due to funding constraints.
- **Architected a containerized backend** on GCP (App Engine, Cloud Build CI/CD, Cloud Storage) to support geo-distributed traffic and rapid feature rollout.
- **Engineered real-time search** with Firebase (Functions, Firestore, Auth, Messaging, Dynamic Links) and Elasticsearch, delivering sub-second lookup across thousands of services.
- **Automated payments and reminders** via Stripe (tiered subscriptions and usage-based billing) and smsMode for SMS notifications—streamlining revenue flows and reducing no-shows by 20%.
- **Delivered cross-platform mobile experiences:** Android via Trusted Web Activity (TWA) and iOS via Apache Cordova (with SPA fallback), achieving full App Store integration.
- **Ensured security & privacy** through OWASP best practices, GDPR-compliant data handling, and automated vulnerability scanning.
- **Drove SEO & growth strategies** with SSR metadata, structured data, and dynamic sitemaps—boosting organic discovery and conversion rates.
- **Owned end-to-end product lifecycle:** from ideation, UX design, to technical documentation and customer success coordination.

Personal Projects & Early Experience

Vendunt: Online marketplace for historic beverages (e.g., mead) built on Shopify + Remix.js.

Personal Website: e10v.com | emrinangelov.com: Vue/NuxtJS Static Generation + AWS + Github Pages

SOLUTEC Internship: Building an AI Chatbot with TensorFlow & integrating it in a web environment via Django



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EDUCATION (Master's Degree)

Politecnico di Milano: **Computer Science and Engineering**

Milan – Città Studi, Italy | 2018 – 2019

Field of Study: Computer science with a focus on software architecture and digital project management.

École Supérieure d'Ingénieurs Léonard de Vinci: **Engineering and Computer Science**

Paris – La Défense, France | 2016 – 2018

Field of Study: general engineering with focus on information technology, big data, and cloud infrastructure.

Prépa Chaptal: CPGE PTSI-PT* – **Higher Science and Technology**

Paris 75008, France | 2014 – 2016

The Higher School Preparatory Classes consist in two intensive years of science and technology training.

REFERENCES

Mr. Guillaume Meyer

Founder & Former CTO, nBold (May 2018 – Nov 2023) | Microsoft MVP (12 years)

Los Angeles, CA (Hybrid)

Email: guillaume.meyer@outlook.com

Phone: +33 6 59 76 30 58

Relationship:

Direct manager at nBold for two years, providing product vision and requirements while I architected and implemented Connected Apps and NBold Analytics—two standalone product modules within the core nBold Microsoft Teams platform.

MISCELLANEOUS

Languages:

- English — Fluent
- French — Fluent
- Bulgarian — Fluent
- Turkish — Fluent
- Hebrew — Basic

Driving Licence:

- Category B (car)

Interests:

- **Entrepreneurship:** Founder of Aclipt & Vendunt; prototyping side projects
- **Technology & Innovation:** Emerging tools & operating systems; custom PC builds; AI & crypto trends
- **Creative Media:** Digital content creation on Youtube, Twitch, and X (Photoshop, Premiere, OBS live streaming)
- **Learning & Strategy:** Non-fiction books; competitive PC gaming
- **Fitness & Outdoors:** Long-distance running; endurance training; archery & hunting
- **Travel & Culture:** International travel, language study, and exploring new destinations.

Nationality & Work Permit:

- French citizen
- Swiss cross-border commuter — resident in Publier, France
- No legal impediments to employment

Mobility:

- Willing and available for international travel
- Available for remote and global assignments (equipped home office)

MBTI / Personality Profile: INTJ