



EMRIN ANGELOV

DevOps/SRE & Full-Stack Engineer

Évian-les-Bains, France (Swiss Cross-Border Commuter)

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SUMMARY

Results-driven DevOps/SRE & Full-Stack Engineer with 6+ years of experience architecting, deploying, and maintaining secure, scalable platforms in FinTech, SaaS, and cloud-native environments. Holding an MS in Computer Science, I've led end-to-end infrastructure, automation, and reliability engineering for production systems serving thousands of users—often as the primary or sole engineer.

Expert in launching real-world threat-hardened infrastructure, automating CI/CD pipelines, and implementing observability to reduce MTTD/MTTR. I've collaborated with CTOs and teams in high-autonomy startups, embedding SRE principles like SLOs, error budgets, and chaos engineering to ensure fault-tolerant, high-availability systems. Security-focused mindset with proven impact in mitigating attacks and complying with standards like OWASP and GDPR. Thrive in fast-paced environments, simplifying complex systems while delivering reliable, production-grade solutions.

Key strengths:

- ★ Full product ownership: DevOps, SRE, cloud infrastructure, backend/frontend development
- ★ Security and reliability: Hardened infra, monitoring/alerting, bot mitigation
- ★ High-impact in autonomous roles with cross-functional collaboration

EXPERIENCE (6 years)

**Principal Software Engineer & Product Owner (Contract) | NDA Project, US FinTech Startup (Remote) | Mar 2024 – Aug 2025**

- ★ Architected and deployed two security-critical web platforms on Google Cloud Platform (GCP), using Terraform for IaC provisioning, Ansible for configuration management, and multi-node Kubernetes clusters for orchestration—incorporating pod replication, auto-scaling, anti-affinity, rolling updates, and liveness/readiness probes for high availability and fault tolerance.
- ★ Automated resilient deployments with Ansible + Docker Compose on VMs, integrating app, DB, cache, reverse proxy, and WAF layers to support scalable, zero-downtime operations.
- ★ Built end-to-end CI/CD pipelines via GitHub Actions, Docker, and Docker Compose, enabling automated builds, tests, and deploys across dev, staging, and prod environments.
- ★ Implemented comprehensive observability using Prometheus, Grafana, Loki, Cadvisor, Promtail, Alertmanager, and custom exporters/dashboards; added cronjobs for background workers and blockchain scanning, reducing MTTD/MTTR by 25% through proactive alerting.

SKILLS (1-6 years)

DevOps & Cloud (IaC)

- Expert (3+ yrs): Docker, Docker Compose, Kubernetes (k8s), Ansible, Terraform, GitHub Actions, GCP, Shell Scripting (Bash/Python), Cron Jobs, Server Hardening, Linux (Debian, Fedora, RedHat, Qubes OS)
- Proficient (1–2 yrs): k3d/k3s, kubectl, Helm, AWS, Azure, Prometheus + Grafana, Loki, Cadvisor, Promtail, Alertmanager, ELK Stack (Elasticsearch, Logstash, Kibana), Containerd, kubeadm, kind/Minikube
- Familiar (≤1 yr): Kustomize, Istio + Kiali + Jaeger, ArgoCD, Argo Workflows, Jenkins, Pulumi,

★ Enhanced security with Nginx reverse proxy, custom WAF rules, OWASP practices, server-hardening scripts, rate limiting, bot mitigation, and custom CAPTCHAs—blocking over 95% of automated attacks via client/server validation.

★ Optimized backend performance (Node.js, PostgreSQL + Prisma ORM, Redis caching) for user accounts and crypto integrations, enforcing linting, Git hooks, and code quality for low-latency under peak loads.

★ Led frontend migration from React/Next.js to Astro, incorporating Tailwind CSS, SSR, i18n, theming, and secure authentication to boost UX and performance.

★ Directed R&D on resilience testing, performance tuning, and security specs, applying SRE principles like compartmentalization for robust systems.

### **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—using nBold’s public APIs for low-code CRM integrations (e.g., Salesforce, HubSpot) and real-time usage insights.

★ Automated CI/CD pipelines and infrastructure with Docker Compose, GitHub Actions/Workflows, and Azure, standardizing processes with integrated testing and validation for dev/staging/prod.

★ Engineered Connected Apps as a tray.io-powered in-Teams app store, enabling non-developers to build workflows; developed Next.js forms for user input, automating notifications and alerts in Teams channels based on CRM events.

★ Designed nBold Analytics as a metrics engine with PostgreSQL, PostgREST, Jitsu, and Metabase for interactive, real-time dashboards on CRM/third-party data.

★ Built dynamic connectors using Next.js, React Hook Form, Zod, Redux, and Axios, ensuring robust validation, error handling, and secure data flows in low-code setups.

★ Led R&D on webhook architectures and micro-frontends; conducted technical interviews, hiring, and roadmap influence.

★ Enforced documentation, ESLint/Husky workflows, and security practices to streamline onboarding and code quality.

Technologies: Next.js · React · TypeScript · Tailwind CSS · tray.io · PostgreSQL · PostgREST · Jitsu · Metabase · Docker · GitHub Actions · Azure · Zod · Redux · Axios · ESLint · Husky · Jest

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

★ Founded and scaled Aclipt, an enterprise-grade free global appointment-booking PWA, growing to 2,000+ users and 150 professionals, processing 4,000+ bookings before funding constraints led to sunset.

★ Architected scalable, geo-distributed backend on GCP with App Engine, Cloud Build for CI/CD, Cloud Storage, and IAM for secure access—handling global traffic with automated deployments.

AWS CloudFormation, GitLab CI/CD, Fluentd, Longhorn, PagerDuty, Bare-metal Hosting

### **Site Reliability Engineering**

Proficient (1–2 yrs): Monitoring & Observability (SLIs/SLOs, Error Budgets), Incident Response, Chaos Engineering

Familiar (≤1 yr): On-Call Rotations, Reliability Testing

### **Security & Cyber-Defense**

Expert (3+ yrs): OWASP Best Practices, Cloud Security, Bot Mitigation, CAPTCHA, TLS/Encryption, Rate Limiting, Session Management, WAF, OpSec, PGP

Proficient (1–2 yrs): RBAC, Cert-Manager

Familiar (≤1 yr): Open Policy Agent (OPA), Vault + Raft, SASL, ACL, LDAP, Swiss Data Protection/FINMA Compliance (GDPR-aligned)

### **Architecture & Performance**

SSR/SPA/SSG Optimizations, SEO & UX Tuning, Caching Strategies (Redis), Scalable System Design, Multi-Cloud Architectures

### **Databases & Storage**

SQL: PostgreSQL, MySQL, Prisma ORM

NoSQL & Cache: MongoDB, Firebase, Redis, Elasticsearch

Familiar (≤1 yr): Kafka + KRaft, RabbitMQ, Solr/SolrCloud + ZooKeeper, Ceph + Rook

### **APIs & Integrations**

REST, GraphQL, OAuth2 & JWT, Webhooks, Stripe

- ★ Integrated real-time search via Firebase (Functions, Firestore, Auth, Messaging, Dynamic Links) and ELK stack (Elasticsearch, Logstash, Kibana), plus Google Maps API for sub-second location-based queries.
- ★ Automated payments/subscriptions with Stripe, cron jobs via Firebase Functions, and SMS notifications via smsMode—reducing no-shows by 20%.
- ★ Embedded security/compliance with OWASP, GDPR handling, validations, and vulnerability scanning in pipelines.
- ★ Developed responsive frontend with Vue.js/Vuetify; enabled cross-platform mobile via Android TWA and iOS Apache Cordova, securing App Store approvals.
- ★ Optimized SEO/growth with SSR metadata, structured data, and dynamic sitemaps for better visibility/conversions.
- ★ Managed full product lifecycle: ideation, UX design, documentation, and customer success.

Technologies: GCP · App Engine · Cloud Build · Firebase · ELK Stack · Google Maps · Stripe · smsMode · Vue.js · Vuetify · TWA · Apache Cordova · OWASP · GDPR

### Personal Projects & Early Experience

- ★ Vendunt: Built online marketplace for historic beverages using Shopify and Remix.js, with payments and SEO integrations.
- ★ Personal Website (e10v.com / emrinangelov.com): Developed with Vue/Nuxt.js, AWS, and GitHub Pages for static generation.
- ★ SOLUTEC Internship: Engineered AI chatbot with TensorFlow, integrated into Django web environment.

## EDUCATION (Master's Degree)

### Politecnico di Milano: Computer Science and Engineering

Milan – Città Studi, Italy | 2018 – 2019

Focus: Software architecture and digital project management.

Relevant projects:

- ★ Kafka-based Twitter replica for real-time streaming and fault-tolerant high-traffic simulations (team).
- ★ Flutter mobile apps with cross-platform deployment and optimization.
- ★ Unity VR games emphasizing system integration and UX.

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

Paris – La Défense, France | 2016 – 2018

Focus: IT, big data, and cloud infrastructure.

Relevant projects:

- ★ Containerized apps with Docker for DevOps workflows in Java/JS.
- ★ AI models integrated into web/mobile apps for data processing and infra management.

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

Paris 75008, France | 2014 – 2016

Intensive preparatory training for engineering grandes écoles.

(Payments & Subscriptions), AI & Chatbot APIs

## Programming & Frameworks

Expert (5+ yrs): TypeScript, JavaScript, Node.js, React, Next.js, Astro, Tailwind CSS, HTML/CSS

Proficient (2–4 yrs): Python, Vue.js, Nuxt.js, Redux

Familiar (≤1 yr): Angular, Rust, Django, PHP, Remix.js, Cordova, Jest

## Other Tools & Concepts

Linting & Formatting, Cryptocurrency Integrations, SEO Tooling, WordPress, Jira, Confluence, Agile Methodologies

## Soft Skills

Cross-Functional Teamwork, Leadership, Problem Solving, Research & Analysis, Stakeholder Communication

## LANGUAGES

- ★ English — Fluent (C2)
- ★ French — Fluent (C2)
- ★ Bulgarian — Fluent (C1)
- ★ Turkish — Fluent (C1)
- ★ Hebrew — Basic (A1)

## INTERESTS

- ★ Entrepreneurship: Founding startups and tech prototypes
- ★ Technology: Emerging tools, custom PC builds, AI, crypto
- ★ Creative Media: Digital content on YouTube/Twitch/X using Photoshop/Premiere/OBS
- ★ Learning: Non-fiction and strategic gaming for problem-solving
- ★ Fitness: Long-distance running for balance