



# EMRIN ANGELOV

## Senior Software Engineer (Full-Stack & DevOps)

Évian-les-Bains, France | Open to Relocation

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### SUMMARY

Versatile Senior DevOps & Full-Stack Engineer with 6+ years of hands-on experience architecting, developing, and deploying secure, scalable platforms in FinTech, SaaS, and cloud-native environments. Holding an MS in Computer Science, I've led end-to-end product lifecycles—from ideation and full-stack implementation to infrastructure automation and reliability engineering—for systems serving thousands of users, often as the primary engineer in highly dynamic startup environments.

Balancing deep expertise in DevOps/SRE practices (e.g., Kubernetes orchestration, CI/CD pipelines with GitHub Actions/Terraform/Ansible, observability via Prometheus/Grafana) and full-stack development (e.g., responsive UIs with React/Next.js/Astro, robust backends with Node.js/PostgreSQL/Redis), I deliver fault-tolerant, threat-hardened solutions that enhance performance, reduce operational risks, and drive business growth. Security-conscious and product-focused, I've mitigated real-world attacks using OWASP standards, custom WAFs, and bot defenses while thriving in fast-paced, cross-functional teams to simplify complex systems, contribute to R&D, and achieve measurable impacts through autonomy and innovation.

#### Key strengths:

- ★ Versatile product ownership: DevOps automation, full-stack development (frontend/backend), cloud infrastructure (GCP/AWS/Azure, VPS/bare-metal hosting)
- ★ Security and reliability: Hardened environments, observability (metrics, logs, alerting), incident response, resilience/chaos engineering, SLOs/error budgets
- ★ High-autonomy leadership: Proven in startups, from scratch builds to scaling, with strong cross-functional collaboration

### EXPERIENCE (6 years)

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

- ★ Spearheaded full-stack application development and deployment using Next.js (migrated to Astro), Node.js, PostgreSQL with Prisma ORM, Redis caching, Tailwind CSS, RESTful APIs, webhooks, and crypto features like hot/cold wallets, deposits/withdrawals, and blockchain scanning via cron jobs; optimized for performance with SSR/SSG, TypeScript, secure sessions, i18n, theming, and client/server validation for resilient user experiences.
- ★ Engineered scalable infrastructure on GCP with Terraform for IaC, Ansible for hardening/configuration/automation (including HTTPS via Let's Encrypt and WireGuard VPN), pgBackRest backups, and shell scripting; ensured high availability in production while implementing OWASP-compliant security like Nginx WAF, rate limiting, bot/CAPTCHA defenses, encryption at rest/transit,

### SKILLS (1-6 years)

#### DevOps & Cloud (IaC)

**Expert (3+ yrs):** Docker, Kubernetes (k8s), Ansible, Terraform, GitHub Actions, Prometheus/Grafana, Loki/Promtail, Alertmanager, ELK Stack (Elasticsearch, Logstash, Kibana), GCP, Shell Scripting (Bash/Python), Cron Jobs, Linux (Debian/Fedora/Qubes OS)

**Proficient (1-2 yrs):** AWS, Azure, Bare-Metal Hosting,

and fault-tolerant designs for crypto systems.

★ Deployed high-availability Kubernetes clusters with replication, auto-scaling, anti-affinity, rolling updates, probes, and Helm charts for CNPG PostgreSQL, Opstree Redis, and Kube-Prom-Stack; integrated Istio service mesh, HashiCorp Vault secrets, Kafka streaming, Ceph/Rook storage, and ArgoCD/Argo Workflows for GitOps CI/CD with zero-downtime multi-environment releases.

★ Built comprehensive observability with Prometheus, Grafana, Loki/Promtail, Cadvisor, Alertmanager, custom exporters/dashboards for Redis/PostgreSQL/Node.js, and ELK logging; enabled proactive alerts to reduce MTTD/MTTR and support peak-load tuning.

★ Championed SRE practices through resilience testing, failure simulations, performance optimization, and cross-functional alignment of DevOps with full-stack goals, delivering enterprise-grade, growth-ready platforms.

### **Senior Full-Stack & DevOps 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—leveraging nBold's public APIs for low-code CRM integrations (e.g., Salesforce, HubSpot) and real-time usage insights, driving seamless workflow automation and data visualization.

★ Automated CI/CD pipelines and infrastructure provisioning with Docker Compose, GitHub Actions/Workflows, Terraform for IaC, and Azure, standardizing build-test-deploy processes with integrated testing, validation, and observability for dev/staging/prod environments.

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

★ Designed nBold Analytics as a client-facing metrics engine using PostgreSQL, PostgREST, Jitsu, and Metabase for interactive, real-time dashboards enabling clients to visualize CRM/third-party data; created custom dashboards to monitor and analyze key performance indicators.

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

★ Led R&D on webhook architectures and micro-frontends; conducted technical interviews and influenced product roadmap to align strategic goals.

★ Enforced comprehensive documentation, ESLint/Husky workflows, and security best practices to accelerate team onboarding and maintain high code quality; integrated Prometheus for internal monitoring of system health and performance.

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

### **Founder & Full-Stack DevOps 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

k3s, kubeadm, Server Hardening

**Familiar (≤1 yr):** Kustomize, ArgoCD/Workflows, Ceph/Rook, PagerDuty

### **SRE & Security**

**Proficient (1-2 yrs):** OWASP Practices, Bot Mitigation/CAPTCHA, TLS/Encryption, Rate Limiting, WAF, Cloud Security, Session Management, OpSec/PGP

**Familiar (≤1 yr):** SLIs/SLOs/Error Budgets, Incident Response/Chaos Engineering, Open Policy Agent (OPA), RBAC, Reliability Testing, On-Call Rotations Cert-Manager, Vault/Raft

### **Architecture & Performance**

**Expert (3+ yrs):** SSR/SPA/SSG Optimizations, SEO/UX Tuning, Caching (Redis), Scalable Design, Multi-Cloud Architectures, Webhooks, Micro-Frontends

### **Databases & Storage**

**Expert (3+ yrs):** PostgreSQL/MySQL, Prisma ORM, Redis/Elasticsearch

**Proficient (1-2 yrs):** MongoDB, Firebase

**Familiar (≤1 yr):** Kafka/KRaft, RabbitMQ

### **APIs & Integrations**

REST/GraphQL, OAuth2/JWT, Webhooks, Stripe (Payments/Subscriptions), Crypto (Wallets/Blockchain), AI/Chatbot APIs

while processing 4,000+ bookings before sunset due to funding constraints.

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

★ Integrated real-time search and features via Firebase (Functions, Firestore, Auth, Messaging, Dynamic Links) and ELK stack (Elasticsearch, Logstash, Kibana), alongside Google Maps API for sub-second location-based queries.

★ Automated payments, subscriptions, and reminders with Stripe (tiered/usage-based billing), cron jobs in Firebase Functions, and SMS via smsMode—reducing no-shows by 20% and streamlining revenue flows.

★ Embedded robust security and compliance using OWASP best practices, GDPR-aligned data handling, validations, and automated vulnerability scanning within CI/CD pipelines.

★ Developed responsive frontend with Vue.js/Vuetify and optimized SEO/growth through SSR metadata, structured data, and dynamic sitemaps for enhanced visibility and conversions.

★ Enabled cross-platform mobile experiences: Android via Trusted Web Activity (TWA) and iOS via Apache Cordova (with SPA fallback), achieving full App Store integration.

★ Managed complete product lifecycle from ideation and UX design to technical documentation, deployment, and customer success coordination.

Technologies: GCP · App Engine · Cloud Build · Firebase · ELK Stack · Google Maps · Stripe · Vue.js · Vuetify · Github Actions · JavaScript · Node.js · smsMode · Stripe · TWA · Apache Cordova

## 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 Actions & 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

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

Focus: IT, big data, and cloud infrastructure.

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 of two intensive years of science and technology training.

## 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

### Expert (3+ yrs):

Linting/Formatting (ESLint/Husky), Cryptocurrency Integrations, SEO Tooling, Agile Methodologies, WordPress

### Familiar (≤1 yr):

Jira/Confluence

## 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 (Startups/Prototypes), Technology (AI/Crypto/PC Builds), Creative Media (Photoshop/Premiere/OBS), Learning (Non-Fiction/Strategic Gaming), Fitness (Long-Distance Running)