

Pavlo Kozub

Senior DevOps / Cloud Engineer · Krakow, Poland · Remote (B2B)

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Summary

Senior engineer with 10+ years in software and cloud, currently focused on running multi-region Kubernetes platforms at scale. Operate production infrastructure for a global high-load **iGaming** platform — **5 EKS clusters across 5 AWS accounts, 400+ microservices, worldwide regions**. Previously CTO at Oversecured, where a serverless-first architecture scaled the mobile-app vulnerability scanner to **5,000 clients at near-zero AWS spend**. Comfortable across the full stack of cloud-native tooling: AWS, Kubernetes, Pulumi/CDK, OpenTelemetry, GitHub Actions, Cloudflare/CloudFront.

Highlights

- **Scale:** Operate 5 EKS clusters / 5 AWS accounts / 400+ microservices serving global traffic
 - **Zero-downtime migration:** Moved **150+ partner domains** to a multi-tenant architecture with zero downtime
 - **Cost engineering:** Built Oversecured SaaS to 5,000 clients on serverless (Lambda + DynamoDB + S3) at near-zero infrastructure cost
 - **Breadth:** 10+ years SE → 9+ years AWS → 2+ years dedicated DevOps; engineering-leadership and CTO experience
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Skills

Containers & Orchestration — Kubernetes (EKS), Docker, Helm, Fargate, ECS **Infrastructure as Code** — Pulumi (Python), AWS CDK, CloudFormation, Serverless Framework **CI/CD** — GitHub Actions, AWS CodePipeline, GitLab CI **Observability** — OpenTelemetry (OTel collectors), Prometheus, VictoriaMetrics, Grafana, OpenSearch, ClickHouse — metrics, logs, distributed tracing **Edge & CDN** — CloudFront, Cloudflare (caching, WAF, DDoS protection) **AWS** — EC2, Lambda, RDS, DynamoDB, S3, SQS/SNS, Step Functions, API Gateway, Route 53, IAM, Secrets Manager, ELB, ACM, VPC, Fargate, ECS **Languages** — Python, Java, JavaScript / Node.js, Bash **Databases** — PostgreSQL, ClickHouse, DynamoDB, Neo4j, MongoDB **Security & Auth** — Keycloak, IAM policies, Secrets Manager, application security (former CTO of vulnerability scanner)

Experience

DevOps Engineer · Phoenix · 08.2024 — present

High-load global iGaming platform

- Operate **5 EKS clusters across 5 AWS accounts**, supporting **400+ microservices** serving worldwide traffic
- Migrated **150+ partner domains** to a multi-tenant architecture with **zero downtime** — coordinated DNS, edge (CloudFront/Cloudflare), TLS, and routing changes across the fleet
- Designed and rolled out the **observability stack from scratch** — OTel collectors → Prometheus + VictoriaMetrics (metrics), OpenSearch (logs), ClickHouse (high-cardinality events), Grafana (dashboards) — across all 400+ microservices
- Configure **CloudFront and Cloudflare** for global edge performance, caching, WAF and DDoS protection
- Codify cloud infrastructure with **Pulumi (Python)** — repeatable across accounts and regions

Stack: AWS, EKS, Docker, Pulumi (Python), OpenTelemetry, Prometheus, VictoriaMetrics, OpenSearch, ClickHouse, Grafana, GitHub Actions, Cloudflare

CTO / Lead Software Engineer / DevOps · Oversecured · 04.2018 — 07.2024

Mobile app vulnerability scanner (iOS + Android) — oversecured.com

- Founded and led engineering: scaled the platform from prototype to **5,000 paying clients** while keeping AWS spend at **near-zero** through a serverless-first architecture (Lambda + DynamoDB + S3 + Serverless Framework)
- Designed and built the scanner backend, public API, and customer-facing web app
- Owned the full DevOps lifecycle: IaC (CloudFormation, Serverless Framework), CI/CD on GitHub, Keycloak SSO, monitoring
- Hired and led a cross-functional team of engineers and security researchers

Stack: AWS (Lambda, DynamoDB, S3, API Gateway), Node.js, Java, Spring, Vue.js, PostgreSQL, Keycloak, Serverless Framework, Docker, GitHub

Senior Python Engineer · Infosys · 08.2020 — 11.2021

- Built end-to-end dashboard for automated test results: architecture, UI, real-time data processing, security and backups
- Stack: AWS Serverless, Python, Angular, DynamoDB, S3, GitLab CI

Software Engineer / Team Lead / DevOps · Perfsys · 03.2017 — 04.2020

medicalpayreview — healthcare billing reconciliation between patients, hospitals, insurers

- Designed **Neo4j as a graph middleware** between MySQL (relational) and MongoDB (document) — enabled flexible cross-store queries and relationship traversal not expressible in either store alone
- Java + Spring backend, ReactJS frontend, deployed on AWS + GCP
- Docker / docker-compose for local and CI environments

Earlier roles

- **Lead SE / Head of Engineering · KeyUA · 11.2021 — 02.2022** — built engineering department from scratch, hired and onboarded 8 engineers, ran internal AWS Serverless training program
- **Java Developer · PrivatBank · 03.2016 — 03.2017** — modernized the PartPayment portal stack and led a redesign (Java 7/8, Spring 3/4, Hibernate, PostgreSQL)

Education

- **2022 — 2023** · Master of Information Technology (Computer Sciences)
- **2014 — 2015** · Java Development Course
- **2003 — 2008** · Master of Civil & Industrial Engineering

Languages

- **English** — Professional working proficiency
 - **Ukrainian, Russian** — Native
 - **Polish** — Conversational (A2 → B1 in progress)
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