

Khvastov Maksym

Backend & Cloud Engineer

contact@khvastov.com | [LinkedIn](#) | [Github](#) | khvastov.com Based in Ukraine · Open to Remote

SUMMARY

Backend Engineer with 10+ years of experience designing and delivering enterprise software systems, now specializing in AWS cloud-native and serverless architecture. Hands-on with event-driven design, infrastructure as code, and serverless workflows through independently built and deployed projects. Brings a strong foundation in data modelling, API design, and full-cycle technical ownership.

SKILLS

Cloud & Infrastructure: AWS (Lambda, Step Functions, API Gateway, Cognito, DynamoDB, S3, EventBridge, SQS, SNS, CloudFront, Route 53, CloudWatch, Bedrock, Comprehend) · Terraform · AWS CDK · GitHub Actions

Backend Development: Python · FastAPI · Java · Spring Boot · REST APIs · Serverless Architectures · Event-Driven Systems

Security & Governance: AWS IAM · Attribute-Based Access Control (ABAC) · Service Control Policies (SCPs) · Least Privilege Access Control · Identity Federation

PROJECTS

SecureDocs | Automated Multi-Stage Document Validation

AWS CDK, Step Functions, Bedrock, Comprehend, Lambda, DynamoDB

- A serverless document validation workflow built on Step Functions automates multi-stage screening with AI-powered PII/content analysis via Comprehend and Bedrock
- Metadata-driven IAM access controls and immutable audit logging using Amazon DynamoDB and Amazon S3 Object Lock (WORM)

LorentzClick | Serverless Link Shortener

AWS (Lambda, DynamoDB, SQS, API Gateway, Cognito), Terraform, GitHub Actions

- An event-driven redirect pipeline uses async SQS processing to minimize latency and decouple analytics from metadata updates
- Automated data lifecycle management (DynamoDB TTL, scope-aware deduplication) cut storage footprint, with full IaC deployment via Terraform/GitHub Actions

Beadword | Daily Word Puzzle Game - live at beadword.link

AWS Serverless (Lambda, DynamoDB, API Gateway, CloudFront)

Fully deployed serverless web game with daily puzzle delivery and score tracking

AIMages | Event-Driven Media Processing Gallery - live at aimag.es

AWS Serverless (Lambda, DynamoDB, API Gateway, CloudFront)

An event-driven pipeline (Step Functions, EventBridge) automates image ingestion and thumbnail generation, triggered via Discord bot, with built-in retry/rollback capabilities

PROFESSIONAL EXPERIENCE

Software Engineer | **soft Xpansion Ukraine** 2008 - present

C#/.NET, K2 BPM Platform, SQL Server, REST/SOAP · Java (earlier projects)

Full-cycle backend engineer on a large-scale enterprise document management and workflow automation platform serving 6,000+ employees across 50+ subsidiaries. Solely responsible for end-to-end delivery of HR automation services — from data modelling and business process design through implementation, integration, and support.

- Designed and delivered a company-wide leave planning system, replacing a manual paper-based process with web portal, mobile app, and self-service kiosk access
- Built an organisation-wide employee performance review workflow, used across thousands of employees
- Delivered end-to-end recruitment and onboarding automation, streamlining the full candidate-to-employee lifecycle
- Designed 15+ additional HR and document management workflows end-to-end - schema design, business process modelling, UI, integrations, and deployment, combining K2 process configuration, SmartObjects-based business logic, and C# service and integration layer

- Designed SQL Server data models per domain, maintaining shared schemas across related process families and integrating with internal ERP and external REST/SOAP services
- Partnered with cross-functional teams, stakeholders, and business analysts to translate requirements into technical solutions and align data/API contracts across platform domains

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate (SAA-C03), 2023
- AWS Certified Developer – Associate (DVA-C02), 2024
- AWS Certified AI Practitioner (AIF-C01), 2024
- HashiCorp Certified: Terraform Associate (004), 2026 (originally 2022)

EDUCATION

Donetsk National University, Department of Computer Technologies, Ukraine
Specialist degree in Intelligent Decision-Making Systems, 2011

ADDITIONAL INFORMATION

Languages:

- Ukrainian - (native)
- English - B1 (Intermediate)

Interests:

- Electronics and IoT projects