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# Abror Aliboyev

Software Engineer · 9 years

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Tashkent, Uzbekistan (UTC+5) · Open to relocation

## Summary

Full-stack engineer with nine years shipping production software end-to-end. I write in TypeScript, Python, and Go, and I run what I build — Kubernetes, multi-cloud, self-managed infrastructure. I've led migrations from legacy stacks, recovered corrupted production databases under pressure, and built platforms from zero that grew to thousands of users. I prefer boring technology, readable code, and teams that trust people close to the problem.

## Experience

### **Full-Stack Engineer — Tusdi AI** (Jul 2025 – Jan 2026)

Greenfield medical AI platform parsing medical documents and tracking conditions, symptoms, and visit history. Built frontend and backend on Next.js and FastAPI. Navigated LLM indeterminism in a domain with near-zero tolerance for error — spent as much time shaping prompts and defensive parsing as writing product code.

### **Full-Stack Engineer — Codevalet** (Jan – May 2025, part-time Sep – Dec 2025)

Joined an 80k+ line codebase in a troubled state; spent the first week reading and documenting before writing any code. Shipped first PR in two days after that. Migrated UI and backend from a py-script full-Python stack to Next.js + FastAPI + PostgreSQL. Rebuilt the AI pipeline with Celery and Redis Streams. Wrote Helm charts enabling multi-cloud Kubernetes deployment.

### **Freelance Full-Stack Engineer — XLRT** (Aug 2024 – Jan 2025)

Finance platform using LLMs to analyze company reports for bank credit decisions. Built server-driven dynamic dashboards at the scale of thousands of companies. Integrated chat and report generation through RabbitMQ.

### **Freelance Full-Stack Engineer — ICOMS** (Jan – Aug 2024)

Visual website builder in the Webflow / Framer space. Contributed a component library for the visual editor and built automated custom-domain assignment via Kubernetes — SSL certs, ingress, routing all created per-domain. Early experiments with GPT-3.5 for UI generation.

### **Founder / Engineer — Asy AI** (Jun 2023 – Dec 2023)

Early AI-agent platform with a visual workflow editor. Built shopping, legal research, and Gmail agents unifying multiple models per task. Finalist at the Prezident Tech Awards (\$1M prize fund) — strong technical execution, lessons learned in pitching.

**Lead Backend & DevOps Engineer — YoFi (Wyllo today)** (Dec 2021 – Jun 2023)  
Anti-fraud AI platform for e-commerce. Managed 20+ microservices across AWS and GCP. Built ML data pipelines (Airflow, BigQuery, Dataproc) improving workflow efficiency 40%. Wrote SAM templates to auto-scale self-managed MongoDB clusters on EC2 when Atlas pricing became unsustainable. Managed Neptune → MongoDB migration under exponential load growth.

**Lead Full-Stack Engineer — scienceweb.uz** (Sep 2019 – Dec 2021)  
Built Uzbekistan's national research publishing platform solo — Nuxt/Vue frontend, Laravel backend, Python/Node integrations with Scopus, Web of Science, ORCID, Google Scholar, and Crossref. Grew to 14,000+ publications from 4,000+ researchers. Also maintained 10+ Open Journal Systems installations and recovered an 11M-row MySQL Moodle database corrupted mid-update during exam season — 26 hours, ~99% data recovered.

**Assistant Manager — Gross Insurance** (Mar 2018 – Aug 2019)  
First professional role. Built an internal tool for contract and policy generation that cut human error 70%+ and reduced customer service time from 10–30 minutes to under 5. HQ noticed; I left for engineering instead.

## Selected Engineering Wins

- **14,000+ publications** on [scienceweb.uz](https://scienceweb.uz) a platform I built solo, every integration end-to-end
- **Orchestrated 20+ microservices** across AWS and GCP — SNS/SQS messaging, Lambda, DynamoDB, Neptune
- **Recovered 11M-row MySQL database** in 26 hours during exam-season crisis
- **100× speedup** rewriting Python/Scrapy scrapers in Go for unreliable data sources
- **Port of GitHub Linguist** from Ruby to Python to analyze code without heavy deps
- **Building Lexpert** - Legal intelligence platform with document processing pipelines using Temporal on Kubernetes. Over 157k documents processed. 15k pdf docs through OCR pipeline

## Stack

**Languages:** TypeScript, Python, Go, Node.js, SQL

**Frontend:** React, Next.js, Vue, Nuxt, Tailwind, Zustand

**Backend:** FastAPI, Laravel

**Data:** PostgreSQL, MongoDB, MySQL, Redis, Elasticsearch, Weaviate, Qdrant

**Infra:** Kubernetes (CKA-level), Docker, Helm, Ansible, ArgoCD, Traefik, Calico+eBPF

**Cloud:** AWS (SAM, CDK, SST, Lambda, DynamoDB, Neptune), GCP (BigQuery, Dataproc, Compute)

**AI/Data:** LLM integration, Celery, RabbitMQ, Airflow, Temporal

## **Personal Lab**

Run a 9-node Kubernetes cluster at home — 124 cores, 320 GB RAM, 15 TB storage across ARM, AMD EPYC, and x86. Two-phase architecture: Ansible owns the metal, ArgoCD owns everything above. Calico+eBPF networking, Longhorn distributed storage, Gateway API v1, cert-manager, Victoria Metrics + Grafana observability, Harbor, Temporal, Vaultwarden. Debugged real cross-arch eBPF issues and runs my side projects in production-grade conditions.

## **Education**

B.A. Corporate Governance, Tashkent State University of Economics (TSUE) — 2023

## **Languages**

English, Russian (fluent, worked on both English- and Russian-speaking teams), Uzbek (native)