

# JAVOKHIRBEK RAKHMONTALIEV

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## DEVOPS & BACKEND ENGINEER

Built and shipped a **live AI-powered full-stack product on AWS** — solo, end-to-end, at 19. Also have real production experience deploying Kubernetes and CI/CD pipelines at Ipotekabank OTP Group. Targeting remote DevOps or backend engineering roles at product-focused companies.

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## SKILLS

- **Cloud & DevOps:** AWS (EC2, ECS, Lambda, S3), Docker, Kubernetes
  - **IaC & Automation:** Terraform, Kubespray, RBAC
  - **CI/CD:** Jenkins, GitHub Actions
  - **Backend Development:** Python, Django, DRF, PostgreSQL, REST APIs, JWT
  - **Scripting & OS:** Bash, Python, Linux (Ubuntu, RHEL)
  - **Version Control:** Git
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## PROJECTS

[github.com/java-rakhmonaliev/tayyib.io](https://github.com/java-rakhmonaliev/tayyib.io) live: [13.217.178.63](https://13.217.178.63)

### Tayyib.io — Halal Ingredient Checker

- Django · Flutter · PostgreSQL · Groq AI · AWS EC2/RDS · Terraform · GitHub Actions
- Sole engineer. Ingredient model with per-madhab ruling flags (Hanafi, Maliki, Shafi'i, Hanbali), source citations, and AI fallback via Groq Llama 3.3 70B for unknown ingredients
- Barcode lookup (Open Food Facts, 3M+ products) + AI label OCR via Groq Llama 4 Vision; 150+ pre-seeded ingredients
- Separate test and production environments on AWS (EC2, RDS, VPC) provisioned from scratch with Terraform; zero-downtime CI/CD via GitHub Actions
- Flutter companion app (iOS & Android): real-time barcode scanner, JWT auth, full API integration

[github.com/java-rakhmonaliev/varoq](https://github.com/java-rakhmonaliev/varoq) live: in active development

### Varoq — Book Tracker

- Django · DRF · PostgreSQL · Docker · Terraform, AWS, Github Actions, Telegram Bot, JWT
- Solo-built REST API — ISBN barcode scan, reading progress tracking, star ratings, friends activity feed; phone OTP auth via Telegram bot - @VaroqBot
- Fully normalised schema (Books, Authors, UserBooks, Reviews, FeedEvents); Flutter client in progress

## EDUCATION

**B.Sc. Global Business (incomplete) — Kangwon National University, South Korea 2025 – 2026**

**B.Sc. Computer Science (incomplete) — PDP University, Tashkent 2023 – 2025**

**Python Backend Bootcamp — PDP Academy, Tashkent Oct 2023 – Jan 2024**

## CERTIFICATIONS

- **IBM Applied DevOps Engineering Professional Certificate (Dec 2023)**
- **DevOps on AWS Specialization (Amazon Web Services) (Mar 2024)**
- **IELTS 6.5**

## WORK EXPERIENCE

Apr 2026 – Present

### Python Backend Instructor, IT Center Yaypan

- Teaching Python backend development (Django, DRF, PostgreSQL) to 15+ students per offline cohort; mentor on real-world Git workflows, API design, testing, and deployment best practices.

Jun 2024 - Oct 2024

### Jr. DevOps Engineer, IPOTEKA-BANK

- Built HA Kubernetes clusters using Kubespray on RHEL in UAT environments, collaborating directly with senior system engineers from Hungary
- Managed CI/CD pipelines (GitLab CI, Jenkins) for internal banking infrastructure, automating build, test, and deployment workflows
- Provisioned and maintained cloud infrastructure with Terraform + Bitbucket, replacing manual environment setup across dev, UAT, and production
- Deployed and administered Kubernetes (OpenShift) clusters; enforced RBAC policies across namespaces for 10+ team members