Arstanbek Usenov

Software Developer

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Eligible to work in Canada

SUMMARY

Full-stack Software Developer with about 5 years of professional experience in Python and TypeScript. Shipped production platforms end-to-end, from data model and API through frontend, payments, and deployment, for clients in Hong Kong, Kyrgyzstan, and the Netherlands. Currently studying Computer Information Technology at BCIT (diploma expected May 2028).

SKILLS

Languages	Python, TypeScript, JavaScript, SQL, Rust
Backend	FastAPI, Flask, Django, SQLAlchemy, Celery, pytest, REST APIs
Frontend	Vue 3, React, Tailwind CSS, Figma
Data & Infra	PostgreSQL, Redis, Docker, GitHub Actions, AWS, Google Cloud
AI & Automation	Gemini API (text and image generation), LLM integrations, Telegram bots
Tooling	Git, Linux, Stripe, Sentry, Postman

EXPERIENCE

Full-Stack Developer, RW Community · Remote (Hong Kong client) — Apr 2026 – Present

- Architected and shipped a private members' club platform (FastAPI, Vue 3 + TypeScript PWA, PostgreSQL): registration, tiered memberships, event booking, guest passes.
- Integrated Suprema BioStar 2 biometric access over WireGuard, syncing face, QR, NFC, and mobile credentials so door access follows payment and tier status in real time.
- Designed a ledger-based points engine: per-batch expiry, tiered purchase bonuses, referral rewards.
- Built Stripe payments with Celery-scheduled renewal reminders and reporting.

Co-founder & Software Developer, Halftone · Vancouver, BC — Jul 2026 – Present

- Co-founded a two-person product design and engineering studio that handles full-cycle builds for startups, from product design through engineering and launch.

Software Developer (Contract), Polytechnology LTD · Bishkek (Remote) — Jan 2026 – Present

- Built the building management system for IVOX, the company's AV and climate systems product line, used to monitor and control equipment installed in client buildings.
- Developed the IVOX digital signage and hotel TV platform, which manages content on lobby and in-room displays.
- Built a warehouse management system for tracking equipment stock across the company's installation projects.

Tech Lead, kasu.fun · Remote — Apr 2025 – Jun 2025

- Built Solana programs in Rust/Anchor plus a Python client for on-chain parimutuel betting and quizzes.
- Shipped the web app (Flask API, Vue.js frontend) for quiz creation, participation, and leaderboards, with automated social media posting and AI-generated images.

Tech Lead, Globalify · Remote — Jun 2023 – Jun 2025

- Led a 5-person engineering team that delivered two new SaaS products for the company's expansion into new markets.
- Designed and built the first of these products and set up the deployment infrastructure for both.

Founding Engineer, WIoT Technologies · Bishkek — Jun 2023 – Dec 2023

- Built WIoT's IoT platform end-to-end, collecting and visualizing device data for businesses and homes across a city-wide network in Bishkek.
- Integrated diverse IoT devices and communication protocols into a single platform for real-time monitoring and centralized management.

Teaching & Mentoring · Bishkek, Kyrgyzstan — Sep 2022 – Apr 2026

- Intern Mentor, Atlabyte (Jan – Apr 2026): ran pairing sessions and code reviews to get junior developers onto production codebases in cybersecurity, e-commerce, and anti-fraud tracks.
- Course Mentor, CEC AUCA (Mar – Jul 2023): mentored 25+ students through programming course projects.
- Web Development Teacher, Bilimkana-Bishkek (Sep 2022 – Jun 2023): designed and taught a web development curriculum, with workshops and project assessments.

Earlier Roles Sep 2021 – Feb 2023

- Python Developer, DevelopsToday, Remote (Aug 2022 – Feb 2023): maintained asynchronous Python backend services and shipped user-facing features.
- Software Developer, ESO Association, Netherlands (Sep 2021 – Aug 2022): built a shared platform used by the association's 5 internal committees.

EDUCATION

Computer Information Technology Diploma, British Columbia Institute of Technology (BCIT) Sep 2026 – May 2028 (expected)

Engineering Stream, Twente Pathway College, Netherlands Sep 2021 – Jul 2022

LANGUAGES

English: Professional (IELTS 8.0, CLB 10) · **Russian**: Native