

Rabbil Yasar Sajal

Senior Backend & Forward Deployed Engineer • Python • Flask • AWS

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SUMMARY

Backend engineer with 7 years of experience, the last five on a remote UK product team, building Python/Flask services with test coverage on everything shipped, delivered through CI/CD on AWS. Creator of **EnvShield**, an open-source CLI on PyPI that enforces environment-configuration contracts in CI. Used to taking features from customer request to production in small teams. Now building my own products in Kriyonix, my independent engineering lab, while looking for my next remote team.

EXPERIENCE

Kriyonix — Independent Engineer 10/2026 – Present

Independent engineering lab: where I build and test product ideas end to end, from problem to production

- Building **JossJobs**, an AI-assisted job-search system that turns messy postings into structured, evidence-backed fit assessments through a discover → dedup → extract → verify → rank pipeline, with caching so no LLM call runs twice.
- Prototyping **KemonChilo**: table-side QR/NFC feedback, classified and routed to restaurant managers.

TeamWeb — Software Engineer Remote • Scotland, UK • 08/2021 – 10/2026

Issuebear — project tracker where AI agents work as teammates alongside humans (issuebear.com)

- Core engineer on Issuebear from its early build, in a small distributed team, turning customer feedback into shipped features.
- Built backend and product features in Python/Flask and JavaScript: task capture, kanban boards, AI-agent integrations for MCP-capable tools such as Claude Code and Cursor, and permissions-based dashboards.
- Covered every feature I shipped with unit and end-to-end tests (Pytest, Playwright) run in CI, and shipped through Docker, CI/CD pipelines and AWS.

TourAmigo — contracted through TeamWeb, in parallel with Issuebear: booking and operations platform for tour and cruise operators

- Backend development across itinerary planning, direct and agent bookings, supplier management and distribution to OTAs and travel agents: Flask APIs, with Pytest and Playwright tests on every change.
- Worked in a production codebase on AWS infrastructure provisioned with Terraform.

Webinative Technology — Jr. Software Engineer Remote • India • 08/2020 – 01/2021

- Built ~40% of the Django backend for an exam-preparation platform, with tests for every feature delivered.
- Built the complete Django backend for the company blog.

R&G Tech — Jr. Web Developer Dhaka, Bangladesh • 09/2019 – 03/2020

- Rebuilt a compliance-management system from the ground up, independently, including the full database schema.
- Took it to production; it is used by the National Museum of Science and Technology.

Creative IT — Web Developer Intern 03/2019 – 07/2019

- Built an inventory-management system with role-based access control, and wrote its technical documentation.

OPEN SOURCE

EnvShield — Creator & Maintainer github.com/rabbilyasar/envshield

Python CLI • pip install envshield • 23 PyPI releases since Aug 2025 • 2,500+ downloads since Apr 2026

- Turns environment configuration into a version-controlled contract (**env.schema.toml**) in place of a hand-maintained **.env.example**; the schema covers types, defaults, conditional requirements and secret classification without storing secret values.
- Validates local **.env** files and deployment manifests (Docker Compose, Kubernetes), finds variables the code reads that the schema doesn't declare, scans for hardcoded secrets, and diffs the contract across Git revisions.
- Built for CI: non-zero exit codes on drift, JSON output, and multi-service/monorepo support.

SKILLS

Languages	Python, JavaScript, TypeScript, SQL	Backend	Flask, Django, SQLAlchemy, REST APIs
Testing	Pytest, Playwright	Cloud & DevOps	AWS, Docker, Terraform, CI/CD, Git
Databases	PostgreSQL, MySQL / MariaDB	Frontend	React, Next.js, Tailwind

EDUCATION

BA in Business Studies — University of Wales Trinity Saint David 2016 – 2018