

BRYNE CARRUTHERS

Senior Backend Python Developer • Remote (Canada) • Open to Contract

SUMMARY

Senior backend Python engineer with 7+ years building secure, scalable server-side applications and REST APIs with Django/DRF and FastAPI. Deploy and operate on AWS with Terraform and Docker; hands-on with Kubernetes via EKS (Helm). Strong PostgreSQL schema design, CI/CD with GitHub Actions, and pytest-based testing/observability; experienced shipping LLM/RAG features using OpenAI and AWS Bedrock (FAISS).

CORE SKILLS

Python 3 • Django/DRF • FastAPI • REST APIs • Celery (Redis) • asyncio

PostgreSQL • MySQL • DynamoDB • FAISS / vector search

Docker • Kubernetes/EKS • AWS (EC2, S3, RDS, API Gateway, CloudFront) • Terraform • Linux

Git/GitHub • GitHub Actions (CI/CD) • pytest • Security (TLS/HSTS/CSP) • Logging/Metrics • OOD • DS&A fundamentals
LLMs (OpenAI, AWS Bedrock) • RAG

EXPERIENCE

Freelance Backend/Full-Stack Developer — Self-Employed | Mar 2020 – Present (Remote)

- Design and ship Python backends (Django/DRF, FastAPI) and REST APIs; model data and migrations in PostgreSQL.
- Containerize services with Docker; manage AWS infrastructure with Terraform; automate build/test/deploy pipelines using GitHub Actions.
- Implement task queues and scheduled jobs with Celery + Redis; instrument logging and metrics; write tests with pytest; apply security best practices (TLS/HSTS/CSP).

Python Developer & Product Support Specialist — All You Need Music | Oct 2017 – Present (Remote)

- Automated internal workflows in Python, saving ~15 hrs/week across operations; added SQL reporting and admin tooling.
- Built a Django + OpenAI knowledge-base assistant; migrated Shopify integration to GraphQL; increased reliability with pytest.

SELECTED PROJECTS

EKS Medical Policy Chat — github.com/DrCBeatz/eks-chat (FastAPI, AWS Bedrock, Kubernetes/EKS, Helm, FAISS) — Streaming RAG chatbot; API via SSE; one-command Helm deploy; demonstrates K8s orchestration on AWS.

Music Store Assistant — github.com/DrCBeatz/music-store-assistant (Django, Celery/Redis, PostgreSQL, Docker, Shopify) — Schedules and rolls back bulk product CSV updates; email workflows; containerized worker/beat services.

Canada Music Suppliers — canadamusicsuppliers.ca (Django REST Framework, Postgres, Docker, AWS) — B2B directory API with role-based workflows and automated tests.

AI Greeting Cards — ai-greeting-cards.com/images/ (Django, Celery/Redis, Stripe, S3, Docker, Terraform, AWS) — GenAI SaaS; A+ Mozilla Observatory (CSP/HSTS/TLS); CI/CD with GitHub Actions.

EDUCATION

York University — B.F.A., Music Performance (Jazz Guitar), Toronto, ON