Bryne Carruthers

Python Backend Engineer | APIs, AWS and Applied AI

Brockville, Ontario, Canada | 613-342-3665 | brynecarruthers@gmail.com

www.drcbeatz.com | github.com/DrCBeatz | linkedin.com/in/bryne-carruthers

Experience

Software Engineer | SoftServe | Feb 2026 – Present

Client assignment with Cisco Secure Email Threat Defense | Remote, Canada

- Primary developer of a Python/Django agent that Cisco's email security escalation team uses to investigate misclassified emails. The agent gathers evidence and routes cases to detection engineers, cutting manual review time from hours or days to minutes.
- Extended an internal Flask/MySQL application with a REST API so engineers could retrieve email metadata programmatically. Added filters, pagination and saved views, and wrote the onboarding guide.
- Troubleshoot high-severity Cisco Email Security Appliance cases on call. Trace message processing and share findings with support and engineering teams across time zones.
- Helped interview and train two engineers who joined the escalation team.

Freelance Backend and Full-Stack Developer | Self-employed | Mar 2020 – Present

- Built Vajrayana Chat, a production Django chatbot that uses PostgreSQL and pgvector to find relevant passages in PDFs, websites and video transcripts before generating an answer. Reached 96% code coverage with pytest.
- Built and supported REST APIs with Django REST Framework and FastAPI. Deployed services to AWS with Docker and Terraform and automated tests and deployments with GitHub Actions.

Python Developer and Product Support Specialist | All You Need Music | Oct 2017 – Feb 2026

- Built Music Store Assistant, a Django app that lets staff update the live Shopify catalog in plain language and roll back promotions automatically. Migrated the Shopify Admin API integration from REST to GraphQL.
- Automated store workflows with Python, saving about 15 hours per week. Built SQL reporting tools and shipped fixes for issues reported by customers.

Selected projects

ChromaXen. Migrated a game's high-score service from PHP to a Python REST API on AWS Lambda, API Gateway and DynamoDB. Provisioned infrastructure with Terraform and tested AWS interactions with pytest and Moto.

AI Greeting Cards. Launched a Django app with Stripe Checkout and PostgreSQL. Used Celery and Redis to generate images in the background and GitHub Actions to run tests before deployment.

Canada Music Suppliers. Built a supplier directory used by store staff, with a Django REST API, a React/TypeScript frontend, role-based access and automated tests.

Technical skills

Python, Django, FastAPI, Flask, REST APIs, GraphQL, PostgreSQL, MySQL, pgvector, retrieval-augmented generation (RAG), AWS, Docker, Terraform, GitHub Actions, pytest

Certifications and education

AWS Certified Developer – Associate | AWS Certified Solutions Architect – Associate | 2026

York University | B.F.A., Music Performance (Jazz Guitar)