

Badreddin Maiss

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Experience

Backend Engineer, Intellium AI – Bristol, UK

Apr 2023 – Present

- Responsible for designing, developing, and maintaining the entire backend stack of AI-powered web applications using FastAPI and SQLAlchemy
- Implemented asynchronous task queues with Celery for long-running jobs and background processing. Instrumented logging and monitoring systems to ensure system reliability and traceability
- Acted as the main bridge between Backend, Frontend and Data Science teams, defining API contracts and streamlining model integration workflows
- Designed and maintained CI/CD GitHub Actions workflows to streamline our development processes. This includes testing, image building, and continuous deployment. Reduced deployment overhead and increased team delivery velocity
- Laid out network infrastructure. Installed and managed Proxmox servers running our development and production environments. Configured self-hosted GitHub runners, internal container registry, and ensured secure network configuration and uptime

Projects

LangLime

langlime.com

- An AI web platform focused on language learning and practice. Its primary goal is to help users learn new languages by allowing them to engage in various language exercises
- Tools Used: FastAPI, SQLAlchemy, Alembic, Docker, UV, Traefik, Google OAuth, Digital Ocean, Stripe

Technologies

Languages: Python, PHP, C, SQL, Javascript/Typescript, HTML

Technologies: FastAPI, SQLAlchemy, Alembic, Celery, Docker, Nginx, Traefik, Github Actions

Dev tools: GCP, Vercel, AWS, Digital Ocean, Stripe

Databases: PostgreSQL, Redis, Neo4j