

Bugra Ozer

Software Engineer

✉ bugra.o@outlook.com ☎ +44 7584350114 🔗 bugra-ozer.github.io 🌐 github.com/bugra-ozer 📍 Leicester

Summary

Computer Science student building production-ready Python backend systems, with strong problem-solving, critical thinking, and data structures skills. Designed secure REST APIs with JWT and bcrypt-based authentication, and cloud deployment on Render. BUCS national athlete and team captain, bringing the same discipline, communication skills, and team collaboration to shipping and owning production code.

Projects

Lumen | Python, Pandas, Flask, PostgreSQL, Bayesian Modelling, Auth, GH Actions | GitHub 🔗 12/2025 – 07/2026

- Decreased data load times by 95% (40s to <2s) by engineering a 3-stage ETL pipeline over IMDb API.
- Scaled accurate film rankings across 500,000+ titles against real-world vote distributions by designing and applying Bayesian model.
- Secured access and sessions by developing a REST API featuring JWT auth and hash verifying.
- Cut test execution time to under 1 minute by automating CI pipelines with GitHub Actions and Pytest using HTTP/file I/O mocking.
- Met 512MB production limits, cutting memory usage by 94% (1GB to 60MB), by streaming data.
- Delivered a fully operational, live full-stack application with containerized local environments and deploying a REST API and frontend via Render and Neon PostgreSQL.

Strava Activity Viewer | Python, Pandas | GitHub 🔗 12/2025 – 02/2026

- Optimized the data pipeline, by the clearing 60+ redundant columns, via Pandas ETL.
- Enabled user-driven data segmentation, by designing a filtering engine for multi-metric activities.

Hard Skills

Languages & Frameworks & Tools

Python, C#, SQL, Flask, JWT, bcrypt, Pandas, NumPy, SQLAlchemy, Requests, pytest

Databases & DevOps

PostgreSQL, SQLite, MySQL, Docker, Git, GitHub Actions, CI/CD, Linux/Bash, Cloud Deployment

Data & Architecture

REST, OOP, Algorithms, JSON, Unit Testing & Mocking, ETL, Parquet, Bayesian Statistics, API Integration

Work Experience

Manager 02/2025 – 06/2026
Dhil's Leicester

- Managed team operations across 20-50 covers, maintaining consistent output under pressure.
- Trained 5+ staff, cutting onboarding time and improving team efficiency.

Barista / All-rounder 01/2025 – 10/2025
Buddies Café Wigston, Leicester

- Trained 5–10 new members on workflow in a high-volume setting, improving accuracy.

Tech Coach 02/2022 – 09/2024
Epic NPC Online

- Mentored 30–50 members in programming, sharpening my ability in empathy.
- Built personalised programmes, developing a mindset for structuring problems methodically.
- Communicated technical material across diverse audiences, building clarity and adaptability.

Education

BSc Computer Science 09/2025 – 06/2028
De Montfort University

Microsoft C# Certificate 03/2024

Languages

English — Fluent

Turkish — Native

Achievements & Activities

BUCS National Athlete Present

Alumni Speaker, De Montfort University International College 11/2025

Founder/Chairperson - De Montfort University Cycling Club 12/2025 – Present