

JORDAN EVANS

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ABOUT ME

I am a highly driven software engineer, with half a decade of experience. My background has a strong focus on data, ranging from database architecture to building machine learning models from scratch. Outside of work you can find me skateboarding, practising my barista skills with my beloved espresso machine or cracking on with a new programming project. Oh, and video games of course.

EDUCATION

University of Bristol

Sep 2016 - June 2020

Master of Physics, First Class Honours.

WORK EXPERIENCE

Correla

August 2024 - Present

Software Engineer

- Architected and implement a relational database from the ground up, applying normalisation, indexing, and data integrity best practices to ensure scalability and high query performance.
- Developed a generic, strategy-based Service Bus consumer for Azure Event Grid, enabling flexible event handling across multiple microservices.
- Standardised observability across microservices by implementing centralised monitoring and alerting with OpenTelemetry, Prometheus, and Grafana - improving visibility and reducing mean time to detect incidents.
- Designed and delivered a greenfield microservice API for smart meter commissioning in the energy sector, implementing OpenAPI standards, versioning, and asynchronous endpoints for scalable integrations.
- Refactored a legacy GraphQL service into RESTful APIs, reducing technical debt and improving maintainability and developer onboarding efficiency.
- Elected as an on-call engineer for a critical service; promptly identified and mitigated production incidents under high-pressure situations. Authored detailed post-mortems to document root causes and drive process and reliability improvements.

Yard

June 2023 - August 2024

Software Engineer

- Manage a high-volume data collection and processing service, handling over 1 million daily requests. This includes proactive monitoring and troubleshooting to ensure smooth operations and immediate response to any anomalies.
- Oversee the AWS infrastructure: Keeping the Security Groups up to date, deploying and updating EC2 instances using the AWS console, boto3 Python SDK and leveraging AMI images. Reviewing AWS cost reports and taking appropriate action to minimise unnecessary costs.
- Frequently participating in organisational learning sessions, explaining complex topics to non-technical audiences. Some talks include *Infrastructure as Code*, *Multi-touch Page Attribution*, *Keyword Content Analysis via tf-idf*.
- Independently develop and maintain deep learning models for complex problems like: multi-touch page attribution, impression modelling and automated keyword generation.
- Added Promtail as a systemd service, scraping our cron logs and pushing them to an internal Loki client. Created a Grafana dashboard to surface the scraped logs for improved system monitoring.

- Increased the robustness of our machine learning repository by adding a Pytest suite to the CI/CD pipeline.
- Mentoring 2-3 developers with backend and database best practices, provisioning their host and virtual machines for development, and advocating for their needs with HR to secure better equipment.
- Actively participate in retrospectives, providing constructive feedback on past sprint performance, suggesting areas for improvement in upcoming sprints, and fostering open dialogue by actively listening to peer opinions.

Yard

Aug 2021 - June 2023

Data Engineer

- Developed server-side logic and APIs, focusing on Python (Django) and MySQL, adhering to SOLID principles.
- Employed test driven development using libraries such as Pytest, Unittest, and Playwright. Utilised common test paradigms including unit, functional, end-to-end and integration tests.
- Created data pipelines, stored procedures, and normalised databases.
- Spearheaded a successful partnership with DAPTEC at Cardiff Met University where I developed an optical character recognition (OCR) python tool, leveraging Googles OCR AI, to parse hundreds of diary entries. This was part of a collaboration with Techniquet, a science discovery centre in Cardiff, where the exhibit still exists today.

TECHNICAL SKILLS

Languages	Python, JavaScript, TypeScript
Databases	MySQL, PostgreSQL
Web Dev.	Django, React, HTML, CSS, REST, GraphQL, XML
DevOps	AWS, Azure, Docker, Kubernetes, Ansible, Containerisation
Version Control	Git, Bitbucket, GitHub
Tools	Grafana, OpenLens, GitHub Copilot, Octopus Deploy

PERSONAL PROJECTS

Self-hosting services with Docker

Repurposed an old PC as a server, which hosts a variety of services through Docker, some of these include: Jellyfin for media streaming, TrueNAS for storage, Traefik as a reverse proxy, PiHole for network-wide ad blocking and DNS. All of these services are maintained using Infrastructure as Code, via Ansible playbooks. Running these services locally has provided me with valuable skills regarding cyber security, network configurations, and VPNs for secure connections. In the future I plan to upgrade this setup to a Kubernetes cluster to introduce redundancy and ensure a fail-over DNS.