

Ayman Al-Suleihi

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Profile

Software Engineer with experience in Python, SQL, Pandas, Linux and infrastructure as code with Terraform and Ansible. Expertise in backend systems, REST APIs, database design, automation and data analysis. Familiarity with TypeScript and React for front-end integration. Expert in streamlining complex tasks, automating business processes, LLMs, and delivering robust and scalable full-stack solutions to turn data into operational efficiency.

Experience

Linux Systems Administrator, RespawnTech - London, UK

May 2023 - Current

Tech: Python, FastAPI, PostgreSQL, React/TS, Docker, Celery, Redis, Scrapy, Bash, Prometheus, Grafana, Magento 2

- Delivered full-stack CRM platform enabling core business operations and workflows (FastAPI, PostgreSQL, React)
- Improved pricing by developing automated scraping, mapping, and repricing pipeline using competitor data
- Enabled data-driven decision-making by designing an analytics dashboard and control panel using aggregate data
- Achieved real-time product, price, and order sync by integrating Magento 2 with custom systems via REST APIs
- Implemented secure authentication using JSON Web Tokens (JWT), magic-link login, and granular access controls
- Improved scalability and performance by offloading workloads to Celery background workers and Redis task queues
- Enhanced monitoring by implementing Prometheus and Grafana for latency, error, and uptime tracking
- Enabled business/client communication via Email, SMS, and WhatsApp through SendGrid, SES, and Twilio APIs

Linux System Administrator, Digital Outlet - London, UK

Jun 2019 - May 2023

Tech: Python, Linux, Bash, Selenium, PHP, MySQL, Nginx, Magento, M2ePro, DNS, Git

- Led major migration from Magento 1 to Magento 2 improving performance, maintainability, and support
- Configured and administered Linux servers hosting mission-critical e-commerce and internal systems
- Achieved 99.9% uptime through proactive monitoring, server optimisation, and infrastructure hardening
- Saved over 2,000 work hours per annum by automating daily processes on e-commerce platforms using Selenium
- Built and maintained Magento websites scaling to 100,000+ products, ensuring reliability and performance
- Developed custom Magento modules (PHP) to support bespoke workflows and e-commerce functionality
- Designed and managed DNS configurations to ensure fast and reliable resolution for high-traffic domains

Data Analyst, Digital Outlet - London, UK

Sep 2017 - Jun 2019

Tech: Python, Pandas, NumPy, SQL, eBay/Amazon APIs, JupyterLab

- Built Business Intelligence tools to guide procurement strategy through demand, profit, and market gap analysis
- Developed Pandas accounting tools for sales, cost, and tax calculations, improving efficiency by up to 97%
- Analysed sales, inventory, and market data to inform purchasing, pricing, and operational decisions
- Designed and implemented ETL pipelines to synchronise and clean multi-source datasets across databases
- Automated compliance reporting for Intrastat, EC Sales, and ONS Surveys, significantly reducing preparation time

E-Commerce Manager, Digital Outlet - London, UK

Aug 2015 - Sep 2017

Tech: Magento, Amazon/eBay Seller Platforms, Excel, Google Analytics, SEO Tools, Bulk Upload/Listing Tools

- Oversaw catalogues across the website, Amazon, and eBay, ensuring accurate listings and timely updates
- Developed data-driven pricing strategies balancing market competitiveness and profitability
- Introduced automation tools for bulk product uploads and order-processing workflows
- Analysed sales trends via Google Analytics to improve conversion rates and site performance
- Trained and mentored a team of e-commerce specialists

Skills

Backend: Python, FastAPI, SQLAlchemy, Pydantic, REST APIs, Docker, Git, Linux, Bash (Unix Shell)

Databases & Storage: SQL, PostgreSQL, pgvector, MySQL, MariaDB

Data & Automation: Pandas, NumPy, Scrapy, Selenium, BeautifulSoup, Regex, Matplotlib

DevOps & Infra: Terraform, Ansible, Prometheus, Grafana, Nginx, Traefik, AWS, DigitalOcean, Cloudflare, GitHub Actions

Frontend: React, JavaScript, TypeScript, HTML/CSS, Tailwind CSS

AI & Search: OpenSearch, OpenAI, LLM Integration, Semantic Retrieval, Vector Embeddings

Personal Projects

Hudhud

Ongoing

github.com/AymanAISuleihi/hudhud

hudhud.shebascaravan.com

Tech: FastAPI, React/TypeScript, PostgreSQL + pgvector, OpenSearch, OpenAI, Docker, Traefik, Nginx

Research application facilitating the research and exploration of historical texts. Utilises streaming conversational AI, using hybrid semantic + keyword RAG pipelines, OpenSearch-based full-text retrieval, embeddings stored in PostgreSQL + pgvector, and interactive map visualisations.

Terraform + Ansible Magento Host

Ongoing

github.com/AymanAISuleihi/terraform-ansible-magento

Tech: AWS, Hetzner Cloud, Terraform, Ansible, Magento 2, Ubuntu, Fail2ban, Nginx, PHP, MariaDB, OpenSearch, CI/CD

Terraform and Ansible Infrastructure as Code automation for provisioning a Magento 2 host on Hetzner Cloud, with remote state on Amazon Web Services S3. Installs and configures the full application stack, Magento installation, and security patch automation, cutting setup time from hours to minutes, allowing for rapid development, testing, and deployment.

Education

BSc (Hons) Computer Games Programming

Sept 2014 - Jun 2017

London Metropolitan University

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