

Darren Fawcett

Cloud & Python — AWS, serverless, automation

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Summary

AWS/Python developer with a strong focus on serverless systems, CI/CD, and automation. Transitioning into tech after 20 years in the motor trade, bringing proven problem-solving, process optimization, and project delivery skills. Proficient in Python and experienced with AWS services including Lambda, DynamoDB, S3, and API Gateway. Skilled in building and deploying real-world projects, leveraging both hands-on development and AI-assisted workflows to deliver efficient, scalable solutions.

Personal Description

Open-minded problem solver with a strong focus on structure, organization, and process efficiency. Experienced in creating test projects to explore and integrate new technologies, with a proven hands-on learning approach. Skilled at simplifying complex ideas and communicating them clearly to different audiences. Passionate about making technology accessible through practical examples and relatable explanations.

Goals

- Obtain AWS Solutions Architect Associate certification
- Build production-ready serverless applications
- Secure a cloud/backend developer role

Technical Skills

Actively expanding my coding knowledge. Proficient in Python; working knowledge of Bash, HTML/CSS, JavaScript, JSON, and PowerShell. I can read and modify code across languages to adapt, integrate, and debug; my focus is on system design, integration, and leveraging AI for speed.

Languages & Code

- Python
- Bash
- JavaScript
- JSON
- HTML/CSS

AWS

- Lambda
- DynamoDB
- S3
- EC2
- API Gateway
- IAM
- CloudFormation
- CloudFront
- Serverless Architecture

Tools & Tech

- Docker
- Git
- GitHub Actions
- CI/CD
- REST APIs
- Pandas
- NumPy
- Pytest
- Unit testing

Soft Skills

- Troubleshooting under pressure
- Process optimization
- Clear documentation

Projects

GPT Assistant

AI-powered assistant that integrates OpenAI's GPT with a serverless AWS backend. Features include natural language chat, calendar event extraction, and image uploads to S3 — all wrapped in a modern, mobile-friendly React UI.

Stack: React · Tailwind · Vite · AWS Lambda · API Gateway · S3 · OpenAI · Python

Provides a foundation for building lightweight AI agents and productivity tools. Demonstrates end-to-end integration of GPT with AWS services using a clean UI and scalable infrastructure.

GitHub

Finance Tracker

Parses PDF bank statements and automatically groups recurring payments such as rent or wages, integrating with AWS Lambda for serverless automation.

Stack: Python · pandas · Regex · pdfplumber · AWS Lambda (in progress)

Reduced monthly reconciliation time from hours to minutes; identifies DD/SO patterns automatically.

GitHub

Personal Tracker App (evolving into Mind Mirror)

Early-stage wellness and productivity tracker built with a serverless AWS backend. Users can log daily goals, scores, and personal notes through a web interface. Currently transitioning into 'Mind Mirror' — a deeper system for mood tracking, reflection, and guided self-awareness.

Stack: AWS Lambda · API Gateway · DynamoDB · S3 · HTML · JavaScript

Automates weekly summaries and progress tracking; future versions aim to integrate GPT-powered reflections and personalized feedback.

GitHub

Job Scraper (Docker) — evolving into Email Job Search Agent

Initial version is a Dockerized Python scraper that collects AWS/Python job listings from public websites. Now evolving into a smarter agent that parses email alerts (e.g., LinkedIn job search emails) to extract relevant roles and log opportunities automatically.

Stack: Python · BeautifulSoup · Docker · EC2 · Cron · IMAP

Reduces manual job hunting effort by automating both scraping and email parsing, with future plans for GPT-based role summarization and prioritization.

GitHub

Work History

BMW Vertu (Mini), York — Technician

2022–Present

- Improved first-time fix rate by 18% through diagnostics process standardisation.
- Automated internal logging, saving ~5 hours per week.

Work in progress — I'm wiring up more write-ups and links. Latest code on GitHub, connect on LinkedIn.

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