Petar Peychev

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Software Engineer with over 4 years of experience, able to quickly learn new technologies, understand the big picture, and build effective software. My guiding principle is managing complexity and ensuring every solution is as simple as possible, but no simpler.

Experience

Software Engineer - Sparkle Wellness   Jul 2024–Jan 2026

- Extended multi-channel order processing system (Flask, PostgreSQL, Cloud Run, Pub/Sub) handling $20,000+ daily sales, adding shipping rate optimisation, customer tags, address fraud detection, and promotional item logic.
- Built 10+ internal Retool applications for inventory tracking, internal dashboards, manufacturing compliance, returns processing, and quality control.
- Led codebase modernisation efforts as we grew from 1 to 3 engineers, introducing static typing, unit testing, structured logging, dockerised local development, and packaged shared libraries.

Associate Data Engineer - The Very Group   Sep 2022–Jul 2024

- Developed a YAML framework for low-code ETL (PySpark), adopted across 50+ pipelines. Supported developers in using it and later extended it as a Python library.
- Built ~20 data pipelines (AWS Glue, Lambda) for an in-house insurance/warranty system, Salesforce, and CallMiner, powering exec reporting and compliance monitoring.
- Built CLI tooling to manage Mage workspaces on EKS, provisioning user access and environments via version-controlled config.

Product Engineer (Placement) - Jaguar Land Rover   Sep 2020–Sep 2021

- Built a test reporting framework (Behave + Jira Xray) giving managers visibility into autonomous driving subsystem performance, enabling data-driven release decisions.
- Created a diagnostic tool for system engineers to scrub synchronised time-series and video data, accelerating root-cause analysis of autonomous system failures.

Education

BSc (Hons) Computer Science - Nottingham Trent University   2018–2022
First Class Honours

- Received the department award for excellent overall performance.
- Managed the Developers' Society, organising hackathons and workshops.

Skills

Languages: Python, SQL, JavaScript, HTML, CSS

Backend: Flask, PostgreSQL, Redis

Data: PySpark, Pandas, Numpy

Cloud: GCP (Cloud Run, Pub/Sub, GCS), AWS (Lambda, Glue, S3)

Infrastructure: Docker, Terraform, CI/CD (GitLab, Jenkins)