

Senior Software Engineer (LIFT)

Job description

Location	Hybrid: home and London office
Tenure	Permanent, Full time
Salary	£65,000 to £80,000
Closing date	Rolling recruitment

About the role

We're growing our technology team and looking for a Senior Software Engineer who believes that data and technology can empower people and change lives. This role offers the chance to shape both our engineering culture and the future of a mission driven company while developing your skills.

You'll be working predominantly on the LIFT product, which delivers billions in support to the most vulnerable households in the country every year. Designing and building out new features under our Data Engineering Lead. You'll have the opportunity to push best practice, cost-efficient architecture and optimise product delivery processes to ensure that LIFT continues to raise families up.

Key responsibilities

The role will involve a diverse range of activities, including:

- Working as a full stack engineer, including front end, back end, CI/CD, IaC and security, from maintenance and bug fixes to design and release of new features
- Advocating for best practices across broad swathes of engineering from moving the team off Git flow to trunk development, building AWS Code Pipelines with Synthetic Canary coverage to package management and code quality.

- Pushing the engineering team, growing team members, and helping the team as a whole work well with each other and the rest of the company
- Investing in and improving team skills and practices through co-mentoring, pairing, code review and leading by example
- Communication, stakeholder management and relationship building to support an engineering team that's known as a trusted partner for marketing, sales, policy & operations and is an integral part of the business
- Contributing to technical discussions and scoping of work internally and occasionally with clients
- Ensuring the security of data entrusted to the organisation, minimising the risk of security breach, potential data loss or downtime, and engaging in post-mortems and follow-up when things do go wrong (or right)

Your work at Policy in Practice will place you at the forefront of technology in the government space. You will be keen to develop the team's skills across the full stack and excited by the potential for improving people's lives. This will be a challenging role; you will be hands on, unafraid of getting stuck in and focused on great results.

Technical requirements

Interest and aptitude for ongoing learning and development in these and related technologies are more important than what you know today:

Our LIFT platform uses:

- React with Vite and Tailwind
- Playwright
- Mocha & Chai
- FastAPI
- Pytest
- Pydantic
- AWS CDK
- AWS Serverless

Our ELT and Data Warehouse workflows use event driven architecture built around:

- Python
- AWS: RDS, Fargate, Lambda, S3, Athena Query, Transfer Family and more
- Stata



Our benefits model uses:

- TypeScript
- Mocha & Chai
- AWS: Lambda, DynamoDB, Secrets Manager

Our development practices include:

- Standard TS & Python language coding styles enforced through commit hooks
- Testing using PyTest, Mocha, Chai and Playwright
- GitHub
- CI/CD (GitHub Actions transitioning to Code Pipelines) dependent on code review and automated quality checks
- AWS CDK
- Working in sprints, with epics, tickets and roadmaps on Jira, and quarterly roadmap review

About Policy in Practice

Policy in Practice believes data and technology can empower people and change lives. Our goal is to be the single point of access for all people on means tested benefits, and enable effective public services through citizen centred services.

We aim to reach as many households as possible across the UK. We will do this via growth of existing products in public and private sector organisations and through expansion into new markets.

Policy in Practice is at a pivotal point as we continue to move from start-up to scale-up. We have invested in our capability, and development has moved from ideas to prototypes and, in some cases, to production.

Policy in Practice's vision and mission

Vision

We believe data and technology can empower people and change lives.

Mission

We empower people via proactive, integrated support. We will help more people to live better lives using our expertise in social policy, data and technology.



We are transforming the way society supports low income families through citizen centred approaches. We focus on improving how all policy areas, sectors and journeys combined can have an impact on people and their outcomes.

Values

Purposeful and passionate

- We push for opportunities to improve, not just for our clients or for ourselves, but also for the people who need our help.
- We take responsibility. Details Matter. We have a genuine passion to help people, with a willingness to take action.

Insightful and impactful

- We go beyond straightforward analysis to get to the 'So What?', driving our policy insight and services to deliver impact.
- We think deeply and communicate simply in a way that helps people make the right decisions.

Respectful and supportive

- We are willing to discuss and debate openly, listening to both sides and relying on evidence and strong relationships to reach shared positions.
- We have each other's back.

Why work here?

- Working in a thought-leading organisation where you can empower people and change lives.
- Flexible working arrangements with hybrid and remote working available
- Opportunities for quick career progression
- Policy in Practice colleagues say:

"Everyone is lovely and we do such impactful work. There is a very caring employee culture, and a drive to share expertise."



"I appreciate how our work helps shape policies and the supportive team environment here encourages everyone to grow. Flexible working options make it easier to balance life and work and our inclusive culture makes this a welcoming place to be."

"The work is extremely meaningful and translates directly into tangible benefits."

How to apply

Please send your CV with a cover letter that clearly outlines your suitability and your interest in the post to jobs@policyinpractice.co.uk as soon as possible.