



SUPERCritical

Job Title	Data Engineer / Analytics Engineer
Location	We're operating a hybrid work model where the role permits. Our labs and offices are in West London, for this role we are offering the flexibility of 3 days a week working from home
Type	Permanent
Salary	£35-45k dependent on experience
Equity	We want our team to be invested in the business, rewarded through the creation of value.
Holiday	25 days + birthday off + public holidays
<p>We are committed to finding the best candidates, so if you're excited by the prospect of joining Supercritical then we encourage you to apply, even if you don't meet all of the requirements. Your unique skills and experiences may be exactly what we're looking for.</p> <p>Whether you're motivated by technical challenges, opportunities for growth, or being part of a mission-driven organisation, you'll find a welcoming environment at Supercritical. We value trust and transparency.</p> <p>Supercritical is proud to foster an inclusive environment. We believe diversity drives innovation and we ensure that every team member feels welcomed, valued, and empowered to succeed. We encourage applicants of all genders, ethnicities, backgrounds, and abilities to apply and help shape the future of clean energy.</p>	
Other Benefits	<p>Flexibility and Supportive of Balance</p> <ul style="list-style-type: none"> - Flexible start and finish times - Flexible on home working - Flexible on working abroad <p>Growth Opportunities - wide range of exposure and development</p> <p>Team Milestone Celebrations</p> <p>Pension - 3% employee contribution + 5% employer contribution</p> <p>Referral bonuses</p>
<p>Learn more about us at the end of this document or at www.supercritical.solutions.</p>	

The Opportunity:

We are looking for a Data Engineer / Analytics Engineer to join us at an exciting stage, supporting the build-out of our core data platform for laboratory and plant data. You'll work closely with our Senior Data Engineer and R&D teams to ingest, structure, and deliver high-quality experimental data that scientists and engineers can trust and explore.



This is a hands-on role at the intersection of data engineering and scientific experimentation, ideal for someone who enjoys working with real-world, messy data and turning it into something reliable and useful. You'll help shape how data is captured, processed, and analysed across our labs and facilities as we scale from experiments to pilot plants and beyond.

This is a unique chance to join an exciting, fast-moving company intent on disrupting the energy industry and enabling a net-zero future.

What you'll do:

- Build and maintain data pipelines to ingest experimental and sensor data (CSV, Excel, time-series)
- Work with electrochemistry and engineering teams to understand data sources, formats, and requirements
- Clean, transform, and structure data for analysis and reporting
- Help implement metadata standards to improve experiment comparison and traceability
- Support dashboards and analytical views used by scientists and engineers
- Monitor data quality and investigate data issues when they arise
- Contribute to improving documentation and data best practices
- Learn and grow alongside a senior data engineer, gradually taking ownership of day-to-day operations.

About you

Ideally, you will:

- Be a self-starter who proactively identifies problems and pursues solutions.
- Have experience writing Python for data processing and analysis.
- Be comfortable working with SQL and structured datasets
- Have experience or interest in time-series data
- Enjoy collaborating with scientists and engineers
- Be curious, pragmatic, and comfortable working in a startup environment

Desirable

- Experience with cloud platforms (GCP or AWS)
- Familiarity with analytics tools or dashboards
- Exposure to scientific, laboratory, or industrial data
- Interest in energy, hydrogen, or electrochemistry
- Basic understanding of data modelling or ETL pipelines.

About Supercritical

Supercritical is transforming the future of green hydrogen production with the world's first high-pressure, ultra-efficient water electrolyser. Our groundbreaking technology uses heat and pressure to achieve the highest electrical efficiencies in the industry, producing hydrogen at high pressure for seamless storage and transport. By also co-producing oxygen, our innovations support decarbonisation in heavy industry, chemicals, transport, and more.

Direct applicants only - no agencies.

Supercritical are not currently in a position to sponsor overseas applications.



We are a well-funded team with years of runway and strong partnerships with leading global organisations. Our mission is to make green hydrogen affordable and sustainable, enabling a cleaner, more equitable future. By eliminating the costly and complex equipment required by traditional electrolysis, we are driving down the cost of green hydrogen and making it accessible to industries around the world.

We live by our values at Supercritical:

- **Purpose** in creating a legacy, driving positive change, for sustainability in all we strive for
- **Transparency** in the way we work, the way we share, in our honesty
- **Partnership** to achieve shared goals, to collaborate at all levels, to welcome challenges and different points of view
- **Trust** in our colleagues, in the rigour of our delivery, in respect for others
- **Leadership** in finding breakthroughs, empowering actions, innovating
- **Curiosity** in celebrating ideas, championing our passions, being positively restless

What Makes Us Proud:

- Our patented technology is redefining industry standards.
- We've demonstrated world-leading electrochemical efficiencies out of the lab.
- We are committed to sustainability, designing systems free from PFAS forever chemicals and rare earth metals.
- We're recognised globally:
 - Featured in CleanTech Group's "Top 50 to Watch for Climate Action."
 - Named a StartUS Insights "Top 5 Zero Emission Solution to Watch."
 - Runner-up and People's Choice in Shell's 2021 New Energy Challenge.
 - Finalist in OZ Minerals' Hydrogen Hypothesis.
 - Highlighted in CEMEX Ventures' Most Promising CleanTech Solutions.
 - Listed among Start Up Energy Transition's "100 Most Promising Global Energy Startups."
 - Named "ClimateHack's top 150 ClimateTechs to watch"

At Supercritical, we believe that innovation thrives when diverse perspectives come together. We're building a collaborative, inclusive team to create ultra-efficient, cutting-edge solutions for a sustainable future. Join us in solving some of the world's toughest energy challenges and making a real impact on the path to net zero.

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What it's like to work here:

At Supercritical, we're not just building cutting-edge technology—we're shaping the future of clean energy. Working here means being part of a fast-moving, deeply collaborative team that thrives on innovation, curiosity, and impact. We operate with trust and transparency, valuing diverse perspectives that drive better solutions. Our culture is dynamic and ambitious, but also supportive—everyone has a voice, and great ideas come from everywhere. Expect to work alongside passionate experts who challenge the status quo, celebrate wins together, and push boundaries to make green hydrogen affordable and accessible. Whether it's solving complex engineering problems, securing partnerships, or scaling our breakthrough technology, every role at Supercritical is mission-driven. If you're looking for a place where your work genuinely matters, where you can grow, and where you'll be empowered to take ownership, you'll feel at home here.

www.supercritical.solutions

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