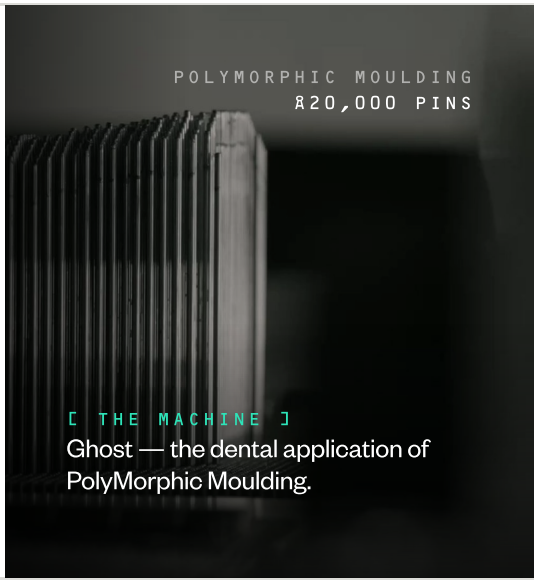
[ROLE] SOFTWARE · PINPOINT · GRADUATE · OPEN

Graduate Software Engineer — Pinpoint.

COMPANY	LOCATION	SALARY	TYPE
Fyous	Sheffield, UK	£30k – £35k	Full-time
	Primarily on-site	+ equity	Permanent



[01] Help us delete an industry's waste problem.

The global clear aligner market is worth around £5 billion and growing at ~27% a year. Every aligner on the planet is currently made the same way: a one-shot resin mould is 3D printed, used once, and thrown away. A typical patient burns through ~52 of them. A mid-sized lab spends upwards of £400,000 a year on resin that ends up in a skip.

We've invented the thing that kills that.

Fyous is a Sheffield-based deep-tech company rewriting the rules of manufacturing. Our PolyMorphic Moulding technology uses tens of thousands of digitally controlled pins to form a mould in minutes, thermoform a part directly over it, and reconfigure into the next shape. No resin. No waste. No single-use tooling. We're backed by world-class investors — including Scott Crump, inventor of FDM 3D printing and founder of Stratasys — and targeting a £100m valuation by 2029.

There's just one thing standing between the hardware and the world. The software. That's where you come in.

[02] The role — Pinpoint.

Pinpoint is the computational brain of Ghost, our dental machine. It takes a patient's STL dental scan and works out exactly how ~20,000 individually addressable 0.3 mm pins — approaching from multiple directions — should configure themselves to form the mould, then validates that the result will thermoform a clinically acceptable aligner before a single pin moves.

You'll join as a software hire working directly with our Senior Software Engineer, who owns Pinpoint end-to-end. They'll mentor you on computational geometry and the trade-offs of shipping software that drives a physical machine in a medical context. In return you'll do real work — not coffee-fetching, not ticket-shuffling. From day one you'll own meaningful pieces of the pipeline and ship code that drives a real machine forming a real aligner a real patient will wear.

[01] Geometry engine
STL ingest, mesh repair, surface analysis, curvature and normal computation across meshes up to 500k+ triangles.

[02] Multi-directional pin projection
The core of the system — projecting tens of thousands of pins from multiple tool directions, picking the right pin per region.

[03] Surface mapping & validation
Turning a discrete pin field into a continuous mould — and predicting forming defects before they happen.

[04] Operator UI & machine output
A cross-platform desktop app a lab technician can drive a full case through in minutes.

WHERE YOU'LL WORK	WHO YOU'LL LEARN FROM	WHAT SHIPS
Sheffield HQ	Senior Eng.	Real machine

[03] How we work.

VALUE · HAVE INTEGRITY

Own your outcomes. No excuses.

We move fast, we speak plainly, and we expect the same from everyone regardless of experience level. You're accountable for outcomes, not just tasks.

VALUE · INNOVATE

Challenge assumptions early.

Question things before they become bad decisions. This is a green-field build with no legacy to inherit — taste and judgement matter as much as the code you write.

VALUE · INSPIRE

Constantly raise the bar.

For yourself, your teammates, and the market. We back ambition — three patents pending, backed by the inventor of FDM 3D printing, targeting a £100m valuation by 2029.

WE INVEST IN YOU

Grown personally, not just technically.

A curated library, regular feedback in the spirit of Radical Candor, and a belief that environment and opportunity shape excellence as much as ability does. What matters is how you think.

[04] · ONE NON-NEGOTIABLE

You build with AI.

If you are not actively building with AI — Claude Code, Cursor, Codex, whatever the bleeding edge looks like the week you read this — you are not our candidate. The hard parts of Pinpoint are still on humans, but a small software team shipping into medical only hits the throughput we need if everyone leans into every tool available.

We want someone who treats these tools as a force multiplier, has opinions about using them well, and is already more productive because of them. If that excites you, we should talk.

[05] What we need from you.

ESSENTIAL

The basics.

- A degree in Computer Science, Maths, Physics, Engineering or a closely related discipline — 2:1 or expected 2:1 in 2026, or equivalent industry experience.
- Strong fundamentals in a systems language — ideally C++ or Rust, but solid C, C#, or modern C++-adjacent plus appetite to go deeper is fine.
- Right to work in the UK.

ROLE FIT

You'll thrive if you...

- Work well in small teams and enjoy being accountable for outcomes, not just tasks.
- Thrive in fast-moving environments where priorities shift and execution matters more than process.
- Communicate clearly — in writing and in person.
- Have taste for simplicity: you know when to build something clever and when to ship the simplest thing that works.

THE PACKAGE

What you get.

- £30k–£35k depending on experience.
- Equity — all employees own a piece of Fyous.
- Private healthcare, full coverage.
- 20 days holiday + bank holidays.
- Discounted Mous products · free onsite parking.

You do not need a dental or medical background — we'll teach you the domain. We need you to be excellent at the engineering, and hungry to learn the rest.

[06] The process.

[STEP 01]

Initial call

A relaxed conversation about you, us, and whether there's a fit worth pursuing.

[STEP 02]

Technical challenge

Something real and representative of the work — depth of thinking over trivia.

[STEP 03]

On-site interview

Come to Sheffield HQ, see the machines, and meet the team you'd work with.

[STEP 04]

Final interview

The last conversation before we make you an offer.

↳ WE'RE READY TO HIRE IMMEDIATELY ñ BUT HAPPY TO WAIT FOR THE RIGHT CANDIDATE.

[07] · HOW TO APPLY

Apply via link below and a 2-min YT video presenting your best self.

https://fyous-recruitment.vercel.app/apply

IN THE VIDEO, TELL US:

[01] Something you've built that you're proud of — code, project, paper, anything. Depth over breadth.

[02] A specific example of how you use AI coding tools — what you delegate, what you don't, and where they fall down.

[03] Anything else you think we should know.

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