Xavier Lacey

Product-minded senior engineer with over eight years of experience designing, building and scaling user-focused products. I'm passionate about working on products that genuinely improve people's lives and am seeking opportunities with teams that care deeply about craft and user experience.

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Material Index — *Senior Software Engineer, Contract*

JANUARY 2025 – PRESENT

Full-stack engineer at a circular economy company, focused on reducing construction waste. Node.js, TypeScript, Next.js, React, MongoDB, Prisma, tRPC, AWS, Postgres, SST, Vercel.

- ❖ Built and launched a construction materials resale marketplace from the ground up, collaborating within a cross-functional team to establish a platform handling 1,000+ product listings.
- ❖ Maintained and enhanced a bespoke material audit and cataloguing application handling 100,000+ assets via a tRPC API, optimising performance and reliability while scaling product to support expanding number of assets.
- ❖ Collaborated with C-suite stakeholders to design and implement a role-based permissions system that simplified access management while enhancing security across the platform.
- ❖ Partnered with leadership to redefine user access flows and authentication journeys, reducing friction points and enhancing user experience.

Sylvera — *Backend Software Engineer*

AUGUST 2022 – DECEMBER 2024

Backend engineer at a climate tech company, working across platform and product teams. Node.js, TypeScript, GraphQL, Postgres, AWS, Jest, Docker, Omni BI.

- ❖ Designed, developed, and managed RESTful and GraphQL APIs in TypeScript delivering user-focused solutions for both internal and external stakeholders.
- ❖ Tech lead for a new product that successfully delivered on-time, connected our clients with 200+ developers and suppliers, and significantly enhanced client engagement.
- ❖ Initiated weekly communication between teams to align system architecture and technical solutions, and achieve project goals.
- ❖ Took initiative to build a business intelligence dashboard used by multiple teams to resolve internal bottlenecks and streamline product processes.
- ❖ Spearheaded and facilitated key discussions on engineering standards, including leading a workshop that promoted best practices in testing, database design and code structure; fostered a culture of technical excellence.
- ❖ Led many technical interviews; redesigned the coding challenge and encouraged a fairer interview process.

LoyaltyLion — *Full-Stack Software Engineer*

AUGUST 2017 – JULY 2022

Full-stack engineer at e-commerce startup. Joined as the seventh employee, contributing significantly to the company's growth through multiple product and team development phases. Node.js, TypeScript, Postgres, React, Redux, Ruby, Rails, Sidekiq, AWS, Docker, Terraform.

- ❖ Delivered features end-to-end across public RESTful Node.js/React and Ruby on Rails applications, enhancing platform capabilities and user experience.

TECHNOLOGIES

Node.js, TypeScript, Next.js, Postgres, React, Docker, AWS, GraphQL, MongoDB, SST, Prisma, Tailwind, Firebase, tRPC, Jest, Terraform, Vercel, Netlify, GitHub Actions, Algolia

EDUCATION

University College London;
MEng Electronic Engineering with Nanotechnology — 2:1

SEPTEMBER 2010 - JUNE 2014

AWARDS

The 'Own it' Sylvera Values Award in 2022 for extreme ownership

LANGUAGES

Fluent(ish) in French, have passable Portuguese and can read a third of Japanese

INTERESTS

Climbing, cycle touring, cryptic crosswords, cinema, birdwatching, guitar, painting

- ❖ Proactively optimised team workflows and documentation, streamlining development processes and improving cross-functional collaboration.
- ❖ Automated documentation quality checks by integrating a doc linting tool into the build pipeline enhancing client-facing API documentation quality.

The Education Hub Group — *Software Developer*

SEPTEMBER 2016 – JULY 2017

Node.js backend developer responsible for building and maintaining the API for our bespoke platform for schools.

- ❖ Second employee and developed the idea into a fully-functioning web app.

Mott MacDonald — *Graduate Electrical Building Services Engineer*

JUNE 2015 – MARCH 2016

Designed electrical systems for the new Canary Wharf Crossrail station.