Kaustubh Deshpande

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linkedin.com/in/kaustubh285 | github.com/kaustubh285 | London, Wimbledon (open to relocate)

Full-stack engineer with 4+ years of experience, mostly in health tech. I work from product decisions through to deployment. I do my best work in small to medium teams where I can take ownership across the stack, but I'm just as comfortable in a well structured team.

Experience

Product Engineer , Gaia Family – London, UK Sept 2026 - Current

- Working with Product & Ops to build a better platform and provide excellent service to Gaia members as well as the IVF clinics in the US.

Software Development Engineer - 2 , Nila Cares – London, UK July 2025 - Sept 2026

- Shipped the company's first AI features, including an AI scribe that took carer form filling from 15 minutes of typing to about 3 minutes of voice notes.
- Designed and built subscriptions and payments on Stripe. Decided what Stripe holds as the source of truth and what we keep a local copy of, and built the embedded checkout inside our React apps.
- Owned internal tools end to end. Dashboards for operations and care teams to manage clients, plans, visits, renewals and reporting, helped replaced manual processes.

Freelance Software Development Engineer , Self Employed – London, UK Oct 2024 - March 2025

- Built and deployed applications for private clinics with a London based stealth-mode fintech startup, using Vue.js, NestJS and Docker. Mentored junior developers on the team.
- Contributed to a PhD research project at Cardiff University in socially aware robot navigation by developing a computer vision package.

Software Development Engineer - 1, Dozee – India Feb 2021 - Aug 2022

- Proposed and built Reports Gateway, one entry point for every report request, which builds and emails the right version based on what the trigger specifies. Consolidating four Docker images into one gateway let me run four processes in parallel, taking peak Saturday load from over 2 hours to under 30 minutes for around 800 customers.
- Refactored weekly report generation from 30 seconds per report to 10-12 seconds. Logged failures to Elasticsearch and scheduled a retry, so a bad report was delayed instead of missing.
- Built REST APIs and React frontends for real time patient data at clinics, and an Electron desktop app for the firmware team to configure Dozee hardware at scale.

Software Development Engineer - 1, Ekasta Tech Pvt Ltd – India Oct 2020 — Feb 2021

- Built and deployed an internal sales metrics dashboard and led the retailer facing e-commerce platform

Software Engineer Intern , Mirraw – India AMP email microservice, with Django. Dec 2019 - July 2020

Projects

Backbrain @dev_desh/backbrain

- A git-aware developer journal with a TUI, built for AI tools to read and write. Handles monorepos and ships with an MCP integration. Published to npm and shaped by feedback from developers using it.

stripe-subkit /stripe-subkit

- A TypeScript first kit for Stripe subscriptions, built on the official Node SDK. Handles customer deduplication, linking Stripe customers to your users, and normalised subscription objects, with no assumptions about your auth or ORM.

UnifiedServe UnifiedServe.web.app

- A management platform for restaurants, from till to rota and onboardings. Co-built over 10 months, from market research to a nearly signed first customer in London. Django, Next.js, TypeScript, AI SDK.

Education

Cardiff University, MSc in Advanced Computer Science – Cardiff, United Kingdom 2023
University of Mumbai, BE in Information Technology – Mumbai, India 2020

Skills

- **Languages**: TypeScript, Python
- **Frameworks & Libraries**: Node.js, Bun, Hono, NestJS, React, Next.js, Vue.js, Django, Flask, Frappe, Tanstack
- **Data & Infra**: PostgreSQL, MongoDB, MySQL, Redis, Docker, AWS (Lambda, SQS, Elasticsearch), GCP, Drizzle.