

# Diparati Sen

## UX Engineer (Design & Develop)

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UX Engineer with 8+ years spanning UX design and front-end development, currently designing and building AI-native developer tooling at Redgate. I translate user research into intuitive interfaces and implement them in code — from production React and Angular UI to AI-powered prototypes built with Claude Code. Comfortable owning the full loop: research, design, prototype, ship, and test — with a strong record of turning that loop into measurable conversion and engagement gains.

### WORK EXPERIENCE

#### Product Designer — Redgate

2025 – Present

Flyway — database DevOps · Cambridge, UK (hybrid)

- Design and build AI and agentic capabilities for Flyway: led the research and design behind the Flyway MCP server, shipped in v13.0.0.
- Ran hands-on technical friction research on the MCP server — installing, configuring, and stress-testing it across platforms — surfacing packaging, configuration-merge, and OS security issues directly to engineering.
- Opened pull requests into the product codebase and built a reusable Claude skill that lets non-technical designers create PRs independently, shared company-wide.
- Co-built “Blast Radius” during Innovation Week: an AI-powered migration risk-scoring engine using PostgreSQL’s EXPLAIN and Claude Code; published a blog article on the build.
- Designed Flyway Desktop’s Code Review UI — violations panel, rule configuration, severity system — and partnered with engineers on feasibility, scoping which analysis rules could run earlier in the workflow.
- Extended the Figma design pattern library to cover the Flyway CLI, bringing design-system thinking to terminal UX.
- Led enterprise customer research (payments, fintech, energy) that set Flyway’s AI roadmap, synthesised for product and group leadership.

#### User Researcher (Freelance) — Askable

10/2024 – Present

London, United Kingdom

- Conduct freelance research for Genomics England studies, interviewing Bengali-speaking mothers on newborn whole genome sequencing materials.
- Design and test A/B flows and stimuli to improve comprehension and engagement for participants with limited English proficiency.

#### UX Engineer — Adsum Technologies

09/2022 – 10/2024

B2B fintech platform · London, United Kingdom

- Designed and developed user interfaces for a new B2B fintech platform, integrating UX design and front-end development end-to-end.
- Implemented responsive, accessible interfaces in React and Angular, ensuring a seamless experience across devices and browsers.
- Prototyped and iterated on low- and high-fidelity wireframes in Figma, validating concepts through interviews and usability testing.
- Optimised the user journey and front-end performance, contributing to a 65.7% increase in new account registrations and a significant boost in conversion rates.

#### UX Designer — Cisco Systems

09/2018 – 09/2021

Chennai, India

- Designed and refined interfaces for Cisco’s internal collaboration tools, improving usability and accessibility for global teams.
- Led user research — interviews and A/B testing — to identify pain points and gather actionable insights for design improvements.
- Contributed to a major overhaul of Cisco’s customer-facing dashboard, resulting in a 40% reduction in support tickets and a 25% increase in user satisfaction scores.

#### Front-end Developer — Cisco Systems

07/2016 – 09/2018

Chennai, India

- Developed responsive web applications in React and Angular with full cross-browser compatibility.
- Implemented WCAG accessibility features and optimised performance through lazy loading, code splitting, and caching — a 30% reduction in page load times.
- Participated in code reviews and pair programming to maintain high code quality across the team.

### SKILLS

#### Front-end Development

React · Angular · JavaScript / TypeScript · HTML · CSS · responsive web design · cross-browser compatibility · performance optimisation · WCAG accessibility

#### AI-Native Building

Claude Code · MCP (Model Context Protocol) servers · Claude skills · agentic workflow design · AI-assisted prototyping

#### UX Design

User flows · wireframes · UI mockups & prototypes · interaction design · design systems · designing across web and mobile

#### User-Centred Design

User interviews · usability testing · persona creation · journey mapping · A/B testing

#### Tools

Figma · Sketch · FigJam · Dovetail · Maze · Miro · Notion · Jira & Confluence · GitHub · Google Analytics · Hotjar · Smartlook · Heap

#### Ways of Working

Cross-functional collaboration with engineers, PMs, and content strategists; comfortable with ambiguity, autonomy, and presenting design rationale to stakeholders.

### LINKS

Portfolio: diparatisen.com

LinkedIn: linkedin.com/in/diparatisen

### HOBBIES

Creating mandala and zentangle art, and learning about human psychology and how it feeds into UX design.

## EDUCATION

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### **MSc in Human Computer Interaction**

10/2021 – 10/2022

University of Bath, UK

### **B.Tech in Computer Science and Technology**

Maulana Abul Kalam Azad University of Technology (formerly WBUT), India

## VOLUNTARY ENGAGEMENTS

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- Speaker — Level Up, Redgate's internal tech conference: delivered a talk on navigating imposter syndrome in the AI era.
- Guest Lecturer — University of Bath: lectures and workshops on UX/UI design for the Mobile and Pervasive Systems module.
- Speaker & Podcast Guest — Women Talk Design, Ladies That UX.
- Global Events Lead & Regional Creative Lead — Cisco Systems, ECN ERO.