

Tamal Biswas

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SOFTWARE DEVELOPER ENGINEER

Frontend Engineer with a strong foundation in UI/UX design, specializing in building modern, scalable, and user-centric web applications. Experienced in developing responsive interfaces using Next.js, React, TypeScript, Tailwind CSS, and monorepo architectures while leveraging design expertise to create intuitive and visually polished user experiences. Passionate about bridging the gap between design and engineering to deliver high-quality digital products.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+), HTML5, CSS3

Frontend: React.js, Next.js, Tailwind CSS, Shadcn/UI, Framer Motion, Bootstrap, Responsive Design

Backend & APIs: Node.js, Express.js, REST APIs, NextAuth.js, Supabase, MongoDB

UI/UX Design: Figma, Design Systems, Auto Layout, Variables, Prototyping, Wireframing, User Flows, Accessibility

AI Tools: Claude, ChatGPT, GitHub Copilot, Gemini, Windsurf, AI-assisted Development

Developer Tools: Git, GitHub, Monorepo (Turborepo), Postman, npm, pnpm, bun

Concepts: Component-Driven Development, Test-Driven Development (TDD), Agile, Performance Optimization, SEO, Server-Side Rendering (SSR), Accessibility (WCAG)

EXPERIENCE

SDE-I (Frontend & UI/UX)

Medecro.ai

Apr 2025 – Present

Remote – Noida, Uttar Pradesh, India

- Developed and maintained scalable web applications using **Next.js, React, TypeScript, and Tailwind CSS** within a **monorepo architecture**
- Built reusable UI components and implemented responsive, accessible, and pixel-perfect interfaces from **Figma** designs
- Integrated and optimized **REST APIs** for seamless data flow and improved application performance
- Collaborated with product, design, and engineering teams to deliver user-centric features across healthcare-focused digital products
- Contributed to both **UI/UX design** and frontend development, bridging the gap between design concepts and production-ready implementations

UI/UX Design Intern

Medecro.ai

Jul 2024 – Apr 2025

Remote – Noida, Uttar Pradesh, India

- Designed user interfaces, wireframes, and high-fidelity prototypes using **Figma** for web-based healthcare products
- Created and maintained design system components to ensure visual consistency across products
- Collaborated closely with developers and stakeholders to translate business requirements into intuitive user experiences

Frontend Developer

LEGABYTE INNOVATIONS

Dec 2023 – Jul 2024

Remote – Durgapur, West Bengal, India

- Developed responsive and user-friendly web interfaces using **HTML, CSS, JavaScript, and React**
- Collaborated with designers and developers to translate UI/UX requirements into functional web applications
- Built reusable components and optimized layouts for improved cross-browser compatibility
- Integrated frontend applications with backend services and **REST APIs**

COURSES

Figma UI/UX Advanced

Daniel Walter Scott

Mar 2026 – Nov 2023

Udemy

- * Covered **Advance Prototyping, Applied accessibility best practices and collaborated effectively with designers, developers, and stakeholders, Micro Interactions, AI, Collaboration Workflow, etc.**

React - The Complete Guide (incl. Next.js, Redux)

Maximilian Schwarzmüller

Feb 2023 – Nov 2023

Udemy

- * Covered **Next.js, Redux, SSR, SEO, Page Speed Optimization, CMS integration, React Hooks, Context API, Forms, Portals, and Refs**

The Web Developer Bootcamp

Colt Steele

Aug 2022 – Jan 2023

Udemy

- * Learned **HTML5, CSS3, JavaScript, Bootstrap, SCSS, Express.js, MongoDB, REST APIs, Postman, Git, GitHub, Accessibility, and Responsive Web Design**

JavaScript Algorithms and Data Structures

freeCodeCamp

2023

Online

- * Studied **ES6+, Functional Programming, Object-Oriented Programming, Data Structures, Algorithms, Debugging, and Problem Solving**

PROJECTS

Budget Bliss - Personal Finance Management Platform

[View Design](#)

Figma, Design System, UI/UX Design, Prototyping

- Designed a comprehensive personal finance management platform featuring dashboards, budgeting, transaction tracking, reports, reminders, and account management workflows
- Created a scalable **design system** with reusable components, color tokens, typography styles, spacing guidelines, and consistent interaction patterns
- Designed responsive layouts for complex data-heavy interfaces, including charts, tables, cards, forms, and modal-based workflows
- Built interactive prototypes and user flows covering expense tracking, goal management, budgeting, card management, and financial reporting experiences
- Applied accessibility, visual hierarchy, and UX best practices to improve usability and maintain consistency across the product ecosystem

Safari - A Complete Full-Stack Web Application

[Live Website](#)

Express.js, MongoDB, MongoDB Atlas, Cloudinary, Mapbox, Passport.js

- Implemented secure user authentication and authorization using **Passport.js** and password hashing
- Enabled sellers to create campground listings with images, descriptions, and pricing details
- Developed a review system allowing authenticated users to post and manage reviews
- Utilized **MongoDB** and **MongoDB Atlas** for robust data storage and retrieval