

Subhom Kundu

Senior Full Stack Engineer | React | TypeScript | Accessible UI | Agile | Regulated Environments

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Eligible to work full-time in Ireland without sponsorship.

PROFESSIONAL SUMMARY

Senior Full Stack Engineer with 5+ years of experience delivering high-quality, performant, and accessible web applications in regulated and enterprise environments. Strong expertise in React, TypeScript, and modern frontend architecture including design systems, reusable component libraries, and CI/CD pipelines. Proven ability to collaborate closely with designers, product owners, backend teams, and architects within Agile Scrum delivery models. Experienced in financial services environments, frontend testing automation, and AI-assisted development tools. Committed to engineering quality, accessibility standards (WCAG), and continuous improvement.

TECHNICAL SKILLS

Core Frontend: React.js, Angular, TypeScript, JavaScript (ES6+), HTML5, CSS3, Sass/SCSS, CSS-in-JS, Tailwind CSS, Responsive Web Design

UI/UX Engineering: Design Systems, Reusable Component Libraries, Storybook, Figma, Interaction Design, Usability, Accessibility (WCAG), Semantic HTML, Design Tokens

State Management: Redux Toolkit, Redux Saga, Zustand, Recoil

Data Fetching & APIs: REST APIs, GraphQL, React Query, Axios, WebSockets, Socket.io

Testing & Quality: Jest, React Testing Library, Cypress, Playwright, Vitest, TDD, Integration Testing, Cross-browser Compatibility

Build Tooling & DevOps: Webpack, Vite, GitHub Actions, CI/CD Pipelines, Docker, Git, AWS

Backend & Full Stack: Node.js, NestJS, Express.js, MongoDB, Firebase Auth, Firestore, GCP

Engineering Practices: Code Reviews, Source Control Strategy, Design Reviews, Agile Scrum, Sprint Planning, Technical Documentation

Security: OWASP Top 10 Awareness, Secure Frontend Coding, Secure Code Warrior React White Belt

AI-Assisted Development: GitHub Copilot, Cursor, Claude Code

Mobile: React Native, Expo, Android Studio, Xcode

PROFESSIONAL EXPERIENCE

Open-Source Contributor / Freelance Full Stack Developer

2024 – Present

IBM Carbon Design System & Freelance Projects

- Contributed to the IBM Carbon Design System, one of the industry's largest React-based design systems, enhancing reusable component libraries, WCAG accessibility standards, and developer experience across enterprise-scale applications.
- GitHub PR: github.com/carbon-design-system/carbon/pull/21145
- Leading full stack development for **Essence Isle** (<https://essenceisle.com>), delivering a modern AI-powered SaaS platform using Next.js, TypeScript, NestJS, and Supabase; built responsive, accessible UI components, reusable design system patterns, and scalable REST API-driven architecture.
- Actively contributed to CI/CD pipeline configuration using GitHub Actions, improving build reliability and deployment efficiency across development and staging environments.
- Collaborated closely with product stakeholders to translate requirements into technical solutions, influence platform enhancements, and produce Figma-based wireframes prior to implementation.
- Developed and tested applications using Docker-based local development environments and containerized workflows.

Senior Frontend Engineer

May 2021 – Jan 2023

Capgemini Technologies India Ltd (HSBC)

- Delivered high-quality, maintainable software solutions within a highly regulated financial services environment, modernizing enterprise platforms by migrating legacy systems to scalable React.js and TypeScript architectures.
- Built and maintained reusable, accessible UI components and design system patterns, improving consistency and development efficiency across multiple internal applications serving thousands of daily users.
- Implemented advanced Redux-Saga state management workflows and REST API integrations supporting complex, data-driven enterprise applications; improved frontend API responsiveness by 40% and reduced UI latency by 25%.
- Actively contributed to frontend test automation, including unit, integration, and component testing practices, improving release confidence and engineering quality across the team.
- Participated in CI/CD pipeline management using GitHub Actions, contributing ideas to improve build and deployment efficiencies across regulated delivery environments.
- Collaborated with product owners, technical leads, architects, and backend teams within Agile Scrum delivery cycles to refine requirements, estimate features, and deliver user-facing solutions on schedule.

- Provided technical leadership through code and design reviews, knowledge sharing sessions, and mentoring on React, TypeScript, and frontend engineering best practices.
- Contributed to engineering practices including source control strategy, environment strategy, and build and deployment pipeline governance in line with financial services compliance standards.

Frontend Developer

Oct 2019 – May 2021

Mass Software Solutions Pvt Ltd

- Engineered scalable, data-driven frontend systems using React.js, Angular, TypeScript, Redux, and Express.js within microservices-based architectures, delivering platforms used by schools across Ireland.
- Built highly responsive, accessible user interface components and reusable Storybook-based component systems, eliminating 25% of duplicate frontend code and standardizing UI patterns across the product suite.
- Integrated REST APIs and backend services to support real-time operational modules, improving stock accuracy and order tracking efficiency by 35% and expanding platform adoption by 25%.
- Actively contributed to test automation and CI/CD workflows via GitHub Actions, supporting continuous delivery and quality assurance practices within Agile Scrum teams.
- Enhanced dashboard responsiveness and frontend performance by 30% through rendering optimizations, scalable visualization components, and efficient state management strategies.
- Collaborated closely with backend developers, designers, and product owners to influence technical enhancements and deliver cross-browser compatible, performant user interfaces.

Web Developer Intern

Jun 2019 – Sep 2019

Teks Mobile Pvt Ltd

- Built responsive dashboard interfaces and automated data upload workflows for the iProud platform, improving athlete data accuracy by 30% and reducing manual entry effort by 25%.
- Supported Agile delivery cycles through debugging, frontend testing, and UI enhancement activities across development sprints.
- Refined frontend usability through SQL optimization, responsive UI implementation, and improved data handling workflows.

PROJECTS

ProvePlay Casino | *React, Tailwind CSS, Radix UI, FastAPI, MongoDB*

- Developed a full-stack, data-driven platform with responsive, accessible React UI components, REST API integrations, wallet management, and real-time game history tracking — demonstrating end-to-end full stack delivery capability.
- Designed reusable component architecture with scalable API-driven patterns, emphasizing frontend quality, maintainability, and cross-browser compatibility.
- GitHub: github.com/Subhom1/ProvePlay | Live: prove-play.vercel.app

SimplyBlog | *Next.js, TypeScript, Supabase, Firebase*

- Built a full-stack monorepo blogging platform using Next.js, Supabase PostgreSQL, and Firebase Authentication, implementing responsive UI systems, reusable TypeScript components, and secure authentication workflows.
- GitHub: github.com/Subhom1/simply-blog | Live: simply-blog-olive.vercel.app

ClickMate | *React Native, Express.js, MongoDB, Socket.io*

- Engineered a full stack mobile application with REST API-driven UI, real-time messaging via Socket.io, secure authentication flows, and responsive cross-platform interfaces across Android and iOS.
- Frontend: github.com/Subhom1/clickmate | Backend: github.com/Subhom1/clickmate-backend

EDUCATION

Griffith College Dublin

MSc Computing – Grade 1.1

Dublin, Ireland

2023 – 2024

West Bengal University of Technology

Bachelor of Technology – Computer Science

India

2014 – 2018

CERTIFICATIONS

Introduction to Frontend Development by Meta

Secure Code Warrior White Belt – Frontend Secure Coding