

Sintu Boro

Madison, WI | [LinkedIn](#) | [Email](#) | [Portfolio](#) | [Github](#) | [Medium](#) | +1 862-381-6332

EDUCATION

New Jersey Institute of Technology

MS in Computer Science

Newark, New Jersey

Sep 2021 - Dec 2022

Software Developer with strong expertise in software engineering and innovative UI/UX design. Led the redesign and migration of scheduling platforms to Next.js, boosting overall user engagement and satisfaction. Skilled in streamlining RESTful API integrations to accelerate feature delivery and consistently build impactful solutions.

WORK EXPERIENCE

Wave Swimmer Safety Systems

Madison, Wisconsin (Remote)

Software Developer (via i-Link Solutions)

May 2022 – Aug 2022, Feb 2023 – Sep 2023, Oct 2025 - Present

- Designed and implemented scalable frontend architecture using React, Next.js (App Router), TypeScript, and Chakra UI, delivering responsive, accessible, and production-ready interfaces aligned with product requirements.
- Led refactors to enforce clean server-client component separation, optimized rendering and state management, and improved maintainability and performance across complex portal workflows.
- Drove redesign and enhancement of customer-facing and internal portal experiences, improving navigation, interaction consistency, and responsiveness, resulting in 25% higher user engagement and 20% improved performance metrics.
- Standardized reusable UI components and interaction patterns, reducing UI-related defects and rework by ~30% while accelerating feature development and improving cross-feature consistency.
- Worked closely with senior engineers, designers, and product stakeholders in an Agile environment, influencing frontend technical direction, reviewing code, and consistently delivering SPA features that met quarterly KPIs.

Wisconsin Department of Children and Families (DCF)

Madison, Wisconsin (Hybrid)

Programmer Analyst IV (via i-Link Solutions, Beacon Technologies, Smart Solutions)

Sep 2023 – Aug 2025

- Completed the POC phase by developing robust code for Collibra ingestion using Python scripts, streamlining content ingestion processes, reducing upload time by 30%, and achieving 90% accuracy across uploads.
- Implemented workflows and governance flows, translating business processes into 10+ efficient workflows within Collibra; streamlined asset management processes, cutting manual effort by 50%.
- Addressed code issues, increasing universe (BusinessObjects BI) extraction efficiency by 25%; conducted extractor runs on 50+ files, resolving 80% of issues and incorporating project filters to cut processing time by 30%.
- Resolved 70% of critical production code issues, ensuring uninterrupted system operation; designed and developed a bulk deletion script using REST API, reducing overall deletion time by 40% and improving operational efficiency.
- Reviewed 20+ existing interactive Collibra diagrams, implementing best practices for visualizing relationships.
- Designed and implemented 20+ source-to-target mappings for Collibra ingestion, improving data lineage accuracy by 30% and ensuring consistent end-to-end traceability across systems.
- Served as Jira administrator, onboarding 15+ projects for cross-functional teams and guiding 50+ users, cutting onboarding time by 35% and improving navigation efficiency.

Slotly — An effortless slot booking platform

Bengaluru, KA, India (Remote)

Software Developer

Jan 2021 – Aug 2021

- Built type-safe, reusable components with Next.js and TypeScript; improved maintainability, reduced runtime errors, enhanced performance, and increased average user time on page by 2 minutes.
- Led redesign and migration of scheduling platform to Next.js; implemented SSR, optimized asset delivery, improved Core Web Vitals (FID, LCP), and increased responsiveness, boosting user engagement and customer satisfaction.
- Overhauled CI/CD pipeline using LocalStack to simulate AWS services locally; integrated automated testing, linting, and zero-downtime deployments, improving release reliability, and boosting delivery speed by 5%.
- Implemented RESTful APIs with Nest.js; streamlined backend integration, reduced feature release cycle time by 6%.

PROJECTS

Care-coordination and Case Management — [Frontend](#) | [Backend](#) | [API Design](#)

Health management application

- Led end-to-end API lifecycle: design, development, and quality assurance. Designed APIs with Postman, implemented RESTful services using Nest.js, TypeScript, Prisma, and PlanetScale in an Agile environment.
- Developed SPA with Next.js, TypeScript, Tailwind CSS; optimized images, improved cross-browser compatibility, and resolved performance issues — boosting average time on page by +60 seconds.

Dev Conn — [Application source](#)

Developer media platform

- Built a full-stack web app using React.js, Redux, Express.js, MongoDB, and Mongoose, implementing JWT-based authentication, a well-structured MVC architecture, and secure, scalable API routes for reliable data access.
- Designed and implemented responsive UI with React, managed complex application state with Redux, and optimized database models in MongoDB/Mongoose for scalable, high-performance, and reliable data handling.

SKILLS & INTERESTS

- Programming/Web:** Javascript, Typescript, Java, Python, Ruby, C#, HTML5, CSS3, Tailwind, Material UI, Chakra UI, React.js, Next.js, Nest.js, Angular, Node, Express, NPM, Yarn, MVC, ESLint, Husky, Babel, Webpack
- CI/CD & DevOps:** CircleCI, Docker, Git, GitHub, GitLab
- Databases & ORM:** SQL, NoSQL, Prisma ORM, Redis, Firebase, MongoDB, DynamoDB, SQLite, PlanetScale
- API & Testing:** REST, GraphQL, Postman, Jest, Supertest, Cypress, Cucumber, Puppeteer
- Cloud & Deployment:** AWS, Cognito, S3, EC2, EMR, Rekognition, SQS, LocalStack
- Design/Others:** Figma, AdobeXD, SEO, Responsive/mobile-first Design, Confluence, JIRA, Collibra, BPMN, Groovy