

SONIA SUNIL

UI/UX ENGINEER

CONTACT

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EDUCATION

Master's in Professional Studies (MPS) Information Science

Cornell University

Aug 2023 - May 2024

- Outstanding Academic Achievement award in MPS Studies

Bachelor's in Engineering (Honors) Computer Engineering

National University of Singapore

Aug 2016 - Aug 2020

- NUS Overseas College Batch'23

SKILLS

Programming Skills

JavaScript, Typescript, Python, D3.js, HTML/CSS, C, C++, Java, SQL, C# (basic)

Frontend Frameworks

Angular.js, React.js, Vue.js (v3), Next.js, React Native, Flutter

UX Design

Figma, User-Centered Design, User Research, User Interviews, Usability Testing, Information Architecture, User Journey, WCAG, Responsive Design

Database Management

MongoDB, Firebase/Firestore, MariaDB, Microsoft Azure, PostgreSQL, Elasticsearch

API Tools

GraphQL/Apollo, Postman, RESTful API

Other Tools

GitHub, Tableau, Jira, Jenkins, Bitbucket, OpenShift, JFrog, Spring Boot, Android Studio, Xcode, NPM, Webpack

Libraries

Prime Components, ChartJs, AnyChart.js, AG Grid, Tailwind CSS, Bootstrap, Material-UI

Others

VS Code, Unity, Arduino, Machine Learning, Jupyter, Scrum and Agile Methodologies

PROFILE

Experienced UI/UX professional, possessing solid knowledge of JavaScript, HTML, CSS, and various frontend frameworks, and well-versed in design standards to produce impactful user experiences. Deeply passionate about blending the art of design with the power of technology to not only drive meaningful change but also push the boundaries of what's possible in digital interactions.

WORK EXPERIENCE

AI ECD, United States

May 2024 - Present

Product Engineer, Lead UI/UX Developer

- Pioneered development & design of the Kidooo AI app with Flutter, Firebase, and Python REST API, implementing 50+ LLM-powered assessments & a chatbot, driving 40% user engagement growth
- Optimized UX & development, reducing onboarding time by 25%, creating a modular design system to cut UI dev time by 40%, and ensuring stability with 95% E2E test coverage

Psyflo, United States

May 2024 - Jan 2025

UX Researcher & Designer (Freelance)

- Led market research on BIPOC student mental health, interviewing 20+ professionals to identify gaps in peer support services
- Designed and developed the company website in Webflow, creating an intuitive user experience that increased partnership inquiries by 40% and community engagement by 30%

Almpower, United States

May 2024 - Aug 2024

Frontend Engineer (Freelance)

- Enhanced Zoom Companion custom SDK's frontend with Next.js and MongoDB, implementing accessibility features to support stuttering individuals, increasing engagement by 40%
- Optimized performance with SSR, efficient state management, and UI refactoring using React.memo and useCallback for smoother rendering

Microsoft, United States

Jul 2023 - Dec 2023

UX Engineer (Contract)

- Developed a student course registration system with Angular and Azure, improving engagement by 25% and reducing registration time by 35%
- Led UX research & design, creating Figma prototypes and optimizing usability, increasing user satisfaction by 25% and task completion by 30%

DBS Bank, Singapore

Jul 2020 - Jul 2023

Associate Software Engineer, UI/UX Team Lead

- Led frontend development for the Risk Control Tower (RICO) dashboard, improving trading efficiency by 45% with enhanced platform connectivity and risk warehousing
- Optimized performance & UX, implementing Micro-frontend Architecture, dynamic data visualizations, automated risk rating (cutting manual processing by 70%), and a streamlined onboarding flow

Blood SG, Singapore

Jun 2019 - Nov 2019

Software Engineer

- Designed and built the full e-commerce flow for Blood's Period Tracker app using Flutter, Firebase, and Golang, enabling cart management, Stripe payments, and purchase history
- Optimized app performance, using Firebase Analytics to fix UI bottlenecks, reducing crash rates by 20% and improving user retention by MVP 2.0 release

RELEVANT PROJECT WORKS

Meta (Instagram) Insight Edge

Jan 2024 - May 2024

Delivered a compelling product strategy to client, leading end-to-end product management and user research, to drive improvements in content creation efficiency, earning recognition of "Best Presented Product Idea" among 10 teams

Skills: User Research, Person, User Journey mapping, Figma Prototyping, Product Management

Prisoner Express PWA App

Jan 2024 - May 2024

Constructed a Progressive Web App (PWA) for Prisoner Express's digital newsletter, after executing in-depth User research to capture user requirements. Developed critical functionalities such as search functionality, integrating epub reader, and overall compilation and code structuring

Skills: Vue3 framework, Bootstrap, PrimeVue, User Research

Beauty AI Human Computer Interaction Project

Aug 2023 - Nov 2023

Conceptualized and applied User-Centered Design methodologies to meticulously craft a Figma prototype for an application aimed at easing difficulties associated with learning makeup application techniques, suitable for varied facial constructs. Earned the prestigious 'Most Creative' project award for most innovative prototype

Skills: User-Centered Design, User Research, Persona, Paper prototype, Usability tests, Figma Prototyping