Alexis Raya

Full-stack Software Engineer | Philadelphia, PA

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EDUCATION

Drexel University | *Bachelor of Science, User Experience and Interaction Design*   Philadelphia, PA | 2025

Specialties

JavaScript, TypeScript, Python, SQL, React, SvelteKit, Firebase, OpenAI API, Tailwind CSS, REST APIs, UX/UI Design

WORK EXPERIENCE

Founding Engineer | WordFor   Sept 2023 - Present
- Lead the development of a full-stack AI-powered translation platform focused on cultural nuance and language learning accessibility
- Designed the entire system architecture using SvelteKit, Firebase, GPT-3.5, and OpenAI Whisper and TTS API services to deliver real-time speech-to-translation-to-speech experiences in multiple dialects
- Built a custom translation pipeline incorporating phonetic transcription, part-of-speech tagging, and region-specific filtering, enabling learners to understand both meaning and cultural context
- Applied advanced prompt engineering and API response optimization to cut AI latency from ~20s to under 5s, transforming usability from frustrating to seamless
- Integrated multi-dialect audio playback, making the platform inclusive for users with accessibility needs or regional language differences
- Developed UX features including personalized bookmarks, searchable translation history, and responsive mobile layouts to encourage long-term learning engagement
- Implemented Firebase real-time data syncing, allowing translations and settings to persist across device
- Collaborated with designers to run weekly usability tests and refine the UI for both mobile-first and desktop users

Software Engineer | *Impilo, Inc.*   May 2025 - July 2025
- Refactored legacy, hardcoded Angular table implementations into modular, reusable components with built-in search and filter functionality, enabling faster development and consistent UI behavior across the platform
- Optimized SQL queries and updated Java RESTful API endpoints, improving data-fetch performance for high-traffic tables
- Conducted a design system audit in Figma and Angular, defining reusable UI tokens and components to reduce visual inconsistency

Software Engineer | *NeuroFlow*   April 2023 - May 2025
- Shipped production-grade features across React, TypeScript, Python, Flutter, Swift, and Kotlin, ensuring a consistent and accessible UX for over 200,000 users
- Created internal UI component libraries, reducing feature development time by 30% and standardizing design patterns across teams
- Built a dynamic HubSpot landing page builder so marketing could independently launch and customize campaign pages, cutting turnaround time from days to hours
- Integrated Firebase and REST APIs for dynamic content, analytics tracking, and cross-platform synchronization

Frontend Developer | *Drexel University UXID Department*   June 2022 - Sept 2022
- Rebuilt student homework platform pages in React, boosting load speed by 50% and reducing rendering errors
- Developed modular components to support faculty-led customization and reduce maintenance overhead

User Experience Researcher | *RightOn Education*   June 2022 - Sept 2022
- Conducted in-class usability testing with teachers and students, producing actionable UI/UX recommendations
- Designed responsive interfaces and initiated the department's first design system documentation
- Mentored high school interns in wireframing, interaction design, and prototyping in Figma