Pranshu Chawla

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Full-stack developer skilled in building secure, scalable, and accessible web applications using modern frameworks. Proven ability to design and ship polished products from scratch, with strong fundamentals in frontend and backend.

WORK EXPERIENCE

Software Engineer - Atriano

Dublin, CA (Remote)| Sept 2025 – Present
React, TypeScript, PostgreSQL, Next.js

- Contributing to development of a **Bullying & Harassment Reporting Tool** for K–12 schools to streamline confidential reporting and case tracking.
- Engineering a **multi-tenant PostgreSQL backend** with scalable data schemas that isolate school data while maintaining centralized administration.
- Integrated **Google OAuth 2.0 Sign-In** for verified student/staff access, improving onboarding flow and system reliability.
- Leveraging **AI-assisted IDE (Cursor)** to accelerate backend development and documentation by ~40%.
- Collaborating in **Agile sprints** using weekly standups and Git-based workflows to plan and deliver product milestones.
- Laying groundwork for an **analytics dashboard** to visualize incident trends and export PDF/CSV reports for school districts.

PROJECTS

Kindlore – Personal Knowledge Organizer for Kindle Highlights *[Live]*

React, TypeScript, PostgreSQL, Next.js

- Built a **production-ready, encrypted knowledge organizer** for Kindle highlights using Next.js and TypeScript to give users private, searchable access to their reading notes.
- Designed and implemented a **zero-knowledge encryption workflow (AES-256)** so only users can decrypt their data, demonstrating secure key management and privacy-first architecture.
- Developed a resilient **ingestion pipeline** that parses raw clippings into normalized entities, deduplicates entries, and preserves metadata to prevent data loss and maintain content integrity.
- Delivered a developer workflow including **PostgreSQL schema modeling and CI/CD deployment** to ensure reliability and iterative delivery.

Unbound – Social Media Platform for Sharing Uplifting Reflections *[Live]*

React, TypeScript, PostgreSQL, Next.js

- Built a **real-time social platform** for sharing short reflections using **Next.js API routes and PostgreSQL**, enabling live post updates and voting without page reloads.
- Engineered a **moderation and validation pipeline** with profanity filters, server-side schema checks, and automated onboarding emails to maintain a respectful community space.
- Implemented a **mobile-first, accessible UI** with React hooks, keyboard navigation, and subtle motion for a mindful user experience.
- Designed modular, reusable components and API abstractions to streamline new feature development and ensure long-term maintainability.

Daily Task Logger – Personal Productivity Platform *[Live]*

React, TypeScript, Supabase, PostgreSQL, Chart.js, Next.js

- Built a **full-stack productivity tracker** with Supabase (PostgreSQL) for real-time CRUD goal management and cloud persistence.
- Developed **interactive analytics dashboards** with Chart.js to visualize progress trends across days, weeks, and months.
- Integrated **Google OAuth authentication** and implemented moderation and feedback controls to ensure data integrity and secure user access.

EDUCATION   **University of Toledo –** B.S. in Computer Science & Engineering
Toledo, OH – May 2025