

Dev Agrawal

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Summary

I build and teach how to build delightful fullstack AI applications.

9 years of experience building products end-to-end, working directly with stakeholders and product owners.

4 years creating educational content and speaking at tech conferences and podcasts about development and architecture.

14 months building AI and Agentic applications and workflows for automated software development and delivery.

Technical Skills

Languages: TypeScript, Python, C#, Java, PHP, HTML and CSS

Web: React, Solid, Angular, Vue, Svelte, Express, Next, Socket.io

Architecture: Event Sourcing, CQRS, Microservices, Domain-Driven Design, Vertical Slices, Local First

Cross platform: Ionic, React Native, Electron, PWA

Tools: Cloud (Heroku, AWS, Azure, Netlify, Cloudflare, Vercel, Firebase), Database (SQL, MongoDB, Redis), DevOps (GitHub, Travis), SysAdmin (Linux, Docker, Nginx, Ansible)

Work Experience

Developer Relations Engineer (PowerSync) (Dec 2025 - May 2026)

- Raised the visibility and engagement of PowerSync within the developer community
- Made educational and technical content for PowerSync blog, YouTube, and conference talks
- Boosted site viewership, new signups, social media followers, and the north star metric
- Brainstormed and executed AI strategy for product improvement, growth, and internal use
- Used React, Solid, TanStack Start, TanStack DB, and Mastra

Software Engineer (Xolvio) (Apr 2025 - Dec 2025)

- Built a machine learning platform to help analysts run quantum algorithms
- Prototyped agentic apps and experiences for researchers and engineers
- Worked with cutting edge Event Sourcing, GraphQL, and AI technologies
- Used React Router, Apollo GraphQL, KurrentDB, Emmett, and Google Cloud

Software Engineer (SmartData) (Apr 2024 - Apr 2025)

- Built an AI powered project management assistant to accelerate internal processes
- Built a next gen member application for a healthcare company
- Implemented critical improvements for performance, developer experience, and cost efficiency

- Collaborated with the product, design, quality assurance, infrastructure, and security teams
- Used Tanstack, Remix, React, Azure, and Okta

Developer Advocate (Clerk.com) (May 2023 - Feb 2024)

- Helped establish Clerk in the community during the hockey stick growth period (5x managed users, 3x downloads, 2x company size, Series A and B)
- Engaged and provided support to the Discord community of 8k members and Twitter community of 14k followers
- Solidified Clerk's presence at 5 conferences through talks, workshops, demos, and product walkthroughs
- Curated feedback and requests from the community to help prioritize work for the engineering team
- Built starter kits and demos on Next.js, React, TailwindCSS, and Vercel

Senior Software Developer (UC IT Solutions Center) (Jan 2020 â Aug 2020, Jan 2021 â Dec 2022)

- Led the development and operation of the Ohio Sentencing Data Platform in collaboration with the Ohio Supreme Court and 10+ counties across Ohio
- Led the work on a suite of applications used by UC Corrections Institute and Department of Youth Services, and developed the new version of the primary case tracking application
- Identified and triaged project requirements in collaboration with key stakeholders
- Used Nodejs, Express, React, PostgreSQL, MongoDB, and Linux

Research Assistant (University of Cincinnati) (Sep 2018 â Dec 2019)

- Worked on a research project funded by NSF and Mozilla with a team of professors and masters students
- Built an access control model for smart-homes that supports automatic emergency detection, escalation, and response
- Published a paper for the ACM International Conference on Enhancing Smart Home Security

Web Developer (TorpedoShoes) (May 2019 â Aug 2019)

- Built an internal platform using MeteorJS for tracking manufacturing lines, quality control, and reporting to replace existing paper report system used by 8 manufacturing units

Web Developer (HealthyLovedOnes) (Apr 2018 â Jul 2018)

- Developed a web application using MeteorJS for caregivers and people in need to connect with each other
- Built a platform for job search, advertisement, communication, and payment for caregivers

Web Developer (Bharat Vikas Parishad) (Feb 2017 â May 2017)

- Built a web application for Bharat Vikas Parishad (Shiva Branch, Varanasi) for management of over 50 members using PHP and Bootstrap

Open Source

- Solid.js, core team member (Dec 2024 - Current)
- Solid-socket, author (Oct 2024 - Current)
- Solid-events, author (Oct 2024 - Current)
- Tanstack Start, maintainer (Jun 2024 - Current)
- Crossws, contributor (Nov 2024 - Current)

Projects

Momentum DevCon App (Lead Developer)

- Application for conference attendees to view and bookmark sessions, provide feedback, and connect with other attendees
- Responsive mobile-first web application with server rendering, optimistic UI, event sourcing, and CQRS
- Built with SolidStart, Drizzle, Postgres, Vercel

Hackathon Suite (Lead Developer)

- Suite of applications to aid hackathon organizing with marketing, judging, registration, hacker matching, and discord management
- Service-based backend leveraging cloud services (AWS, Heroku, Netlify, Cloudflare)
- Frontends built with Jekyll, React, and Angular

Ohio Sentencing Data Platform (Senior Developer)

- Collaboration with the Ohio Supreme Court to record and analyze data about criminal sentencing cases
- Custom built engine to generate complex forms with real-time capabilities, analyzable data outputs, and docx exports based on JSON schemas
- Integration with legacy systems to pull data

Devtranet (Senior Developer)

- Networking platform for engineers, investors, and entrepreneurs.
- Discovering events, posting blogs, showcasing projects, finding jobs, and social media
- Full stack Typescript, Next.js, React, and Tailwind

HealthyLovedOnes (Solo Developer)

- A job portal for caregivers and those in need with built in hiring, communication, and payment system
- Holistic caregiver profiles based on professional and personal skills
- Mobile-ready full stack application built with Meteor

Appearances (Conferences, Podcasts, Meetups)

- Talk: Building Asynchronous UIs Without The Hassle (Codemash, Sandusky, OH, Jan 2025) (https://youtu.be/pX5r_jTLbvW?si=qjTPBQkyb-zRP96R)
- Talk: Harnessing Events for Reactive and AI-powered Frontends (EDA Summit, Virtual, Dec 2024) (<https://edasummit.com/videos/harnessing-events-for-reactive-and-ai-powered-frontends/>)
- Talk: Deploying Stateful Realtime Services To The Edge (https://www.youtube.com/live/_cCmh-FrYeM?si=05mwvnxDxbZ_EAtx&t=2133) (Commit Your Code Conference, Dallas, TX, Dec 2024)
- Talk: Build your own React Metaframework (https://youtu.be/4V_Wz_k35C8?si=wvar4Ra5i-a06e6q) (React Rally, Salt Lake City, UT, Aug 2024)
- Podcast: What's New in React 19 (and What That Means for You) (<https://youtu.be/8GuvVaEWjzk?si=9sf5hn8ArtPzz90s>) (Scrimba Podcast, Virtual, Jun 2024)
- Talk: Streams, not Waterfalls - Improving Page Load and Core Web Vitals (<https://youtu.be/GrJVK6ci--s?si=nKoDMYK05RC2uwk9>) (Stir Trek, Columbus, OH, May 2024)
- Workshop: From Todo App to B2B SaaS with Next.js and Clerk (<https://gitnation.com/contents/from-todo-app-to-b2b-saas-with-nextjs-and-clerk>) (React Summit US, Jersey City, NJ, Dec 2023)
- Talk: Beyond the Login Page: Authentication in Next.js

(https://youtu.be/44b2U0uGQ0k?si=zTFY-NBByjZw_OFq) (Next.js Conf, San Francisco, CA, Oct 2023)

Complete list (<https://github.com/devagrawal09/portfolio/blob/master/appearances.md>)

Education

Bachelor's Degree at University of Cincinnati (Aug 2018 at May 2023)

- BS in Information Technology, Software Development track (GPA 3.5)
- Minor in Psychology
- University Honors Program

Community

Organizer of Momentum Developer Conference (Feb 2023 - Current)

- Member of steering committee of the biggest tech conference in Cincinnati (500+ registrations)
- Built an app for attendees and speakers to keep track of schedule, network, and provide feedback

Organizer of RevolutionUC And MakeUC (Sep 2019 at Mar 2023)

- Organizer for UC's largest hackathons
- Developing and managing the hackathon website, server, database, and the various online services

President of IT Student Association (Apr 2021 at Apr 2022)

- President for UC's largest student organization for IT students
- Providing weekly educational and networking opportunities to enthusiastic students

Executive Member of ACM@UC (May 2019 at Apr 2021)

- Managing and updating the organization's website
- Plan and record biweekly tech talks and workshops

Executive Member of The UC Rotaract Club (Oct 2018 at Oct 2021)

- Hosting on-campus events and off-campus volunteering projects
- Collaborating with the Rotary Club for networking and professional development events