MATHEW DE VIN

mathewdevin.com - Github - LinkedIn - mathewdevin03@gmail.com

WORK EXPERIENCE

FRONTEND ENGINEER @ Momentum Dashboard   Nov 2022 - Present

- Shipped and maintained core dashboard features used by 3,500,000+ active users including Notes, Tasks, AI Chat, Links, Site Blocker, Soundscapes, Calendar, Custom Metrics, and Focus Mode Tools.
- Led frontend engineering from ideation to release, driving architectural direction and engineering optimizations, improving zero-to-feature time and reducing cross-team bottlenecks by 50%+.
- Architected and maintained the foundational component library, 50+ reusable components powering over 60% of all UI imports, enabling an estimated 35-40% faster feature implementation.
- Contributed to a 60% increase in developer velocity through DRY coding principles, alongside automating CI/CD workflows, cutting release steps from 10 to 3 and reducing time-to-release by 90%.

FRONTEND ENGINEER @ Oooh   Aug 2022 - Nov 2022

- Developed internal moderation and management tools for a high-growth video game social platform, streamlining operations for managing video content for thousands of daily users.
- Collaborated cross-functionally with Design, App, QA, and Backend teams to ship features quickly and reliably in a fast-paced startup environment.

LEAD FRONTEND ENGINEER @ The University of British Columbia   May 2021 - Apr 2022

- Acted as frontend technical lead on a research-backed and peer-reviewed paper published on IEEE Xplore: An Open CS1 Learning Platform to Promote and Incentivize Deliberate Practice.
- Implemented and optimized a new team-formation algorithm that reduced processing time by 90%, improving usability and performance across research projects.

PROJECTS

NOTES REFACTOR @ Momentum Dashboard | Tiptap, Prosemirror, Vue, Pinia, TS, SCSS, Datasync Engine

Rebuilt Notes with an AI-powered WYSIWYG editor with note linking. Driving a ~133% increase in active usage, moving from the 5th to 2nd most used Plus feature among 17k+ paying users.

SOUNDSCAPES & SITE BLOCKER @ Momentum Dashboard | Web Audio API, Extensions API, Vue, SCSS, TS

Developed and launched two new engagement-driven features for users. These correlated with ~3,800 subsequent Plus upgrades, potentially influencing up to 22% of total paid conversions.

SPOTIFY JAMS @ Personal | Spotify Web API, Supabase (Login, Realtime, Databases), Vue, Webworkers, SCSS, TS

Created a Spotify syncing web application allowing users to create and join rooms, syncing their Spotify players with the currently playing song, maintaining full sync within a less than 1s delay across users.

CAR THINGY @ Personal | Electron, Custom BlueZ Bluetooth Wrapper, HTML/CSS/JS

Built a car dashboard application allowing users to connect their bluetooth devices to play and control audio through the interface, enabling real-time now-playing data, time display, and car analytics.

EDUCATION

THE UNIVERSITY OF BRITISH COLUMBIA   Sep 2018 - Apr 2022
Bachelor of Science - Computer Science

SKILLS & INTERESTS

TypeScript, JavaScript, Vue, Pinia, React, Redux, CSS/SCSS, TailwindCSS, REST APIs, GraphQL, Extensions API, Web Audio API, Cypress, TipTap, ProseMirror, Data Sync Engines, Profiling, Performance, Lazy Loading, Caching, Vite, CI/CD, Art & Visual/Interior Design, UI/UX, Keyboards, Gaming, Fitness.