

Justin Peter

Software Engineer

hello@justinpeter.dev | [Dev Portfolio](#) | [LinkedIn](#)

ABOUT

Full stack engineer with 4+ years building products at mission-driven edtech and healthtech startups. Brings structure to growing codebases and owns features end to end, from design systems and type-safe libraries to automated pipelines.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, SQL, MQL, Java, HTML, CSS

Frontend: React, RTK Query, Vue, Storybook, Figma

Backend: Node.js, Express.js, REST APIs

Databases: MongoDB, MySQL, PostgreSQL

EXPERIENCE

The Social Institute

Aug 2023 – Present

Full Stack Engineer (MongoDB, Express, React, Node) · Remote

- Introduced atomic design principles to the codebase, building a library of 20+ reusable components and a GitLab-powered Storybook pipeline, establishing a shared design-dev component language that reduced handoff friction and accelerated feature delivery across the product.
- Built and owned a monthly automated insights pipeline using Node.js Cron jobs, MongoDB aggregations, and a custom email template and stylesheet delivering data-driven engagement reports to 100+ partner schools and writing test suites to ensure zero regressions across each release cycle.
- Built a reusable TypeScript form validation library from scratch, eliminating duplicated validation logic across 12+ forms with a consistent, type-safe system backed by Jest unit test coverage ensuring reliability across all validation rules.
- Established a Jest testing baseline across React components, shared utility functions, and API response shape validation for role-based access improving refactor confidence and reducing manual regression surface area for the team.
- Rearchitected legacy dashboards with role-based widgets, shortcuts, and CTAs in collaboration with the Co-Founder & CDO, driving a 23% increase in CTA click rates and measurable improvements in feature adoption.

BirchNotes (formerly Therapax)

Dec 2020 – Jul 2022

Full Stack Engineer (MySQL, Express, Vue, Node) · Hybrid | Jun 2021 – Jul 2022

- Helped scope and ship a dashboard rebuild from scratch in under 6 months, improving the core product experience for 100+ users alongside a full company rebrand.
- Maintained and extended a Syncfusion based calendar component, implementing recurring appointments, cancellation and no-show fee logic, and appointment status tracking supporting thousands of scheduling interactions across the platform's core clinical workflow.
- Integrated Google Calendar API with two-way sync, enabling real-time appointment management across the platform and Google Calendar reducing scheduling conflicts and keeping clinician workflows in sync.

Quality Assurance Engineer (Cypress, Monday.com, Git) · On-site | Dec 2020 – May 2021

- Wrote and maintained Cypress end-to-end test suites covering full user flows, form validation, click handlers, and API calls standardizing form and utility function testing with DRY patterns that measurably reduced regressions across core onboarding and scheduling workflows.
- Performed manual testing across payment ledger workflows and form-based user flows, catching calculation errors and UI inconsistencies before reaching production.
- Worked directly alongside developers in daily standups and 2-week sprint cycles, using Git, Postman, and Monday.com to keep test coverage aligned with active development.

EDUCATION

Virginia Tech

Jan 2026 – Present

Master of Science, Information Technology

Graduate Certificates in Big Data & Software Development (earned as part of degree program)

University of South Florida

May 2022

Bachelor of Science, Computer Engineering