

Valentin Sigalov

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Software engineer with 8 years of professional experience in projects ranging from high-traffic, responsive websites to enterprise web applications and dashboards. Extensive experience working in financial and healthcare industries. Enjoys user-friendly interactive software, front end technologies, and learning new things. Work authorization: US Citizen.

EXPERIENCE

Senior Software Engineer (Nov 2022 - Jan 2024)

Bardavon Health Innovations, Remote

- Collected requirements, architected, and created new web application using Vite, React Query, and Recoil to display physical injury prevention exercises, to bridge services between products from different teams
- Engineered front end components using React, TypeScript, MUI, and state management tools for features within several enterprise applications centered around rehabilitating injured workers
- Worked with product owners and graphic designers to ensure vision was accurately translated in user experience
- Developed full stack and back end solutions for care quality dashboard to assist physical therapists with tracking patient progress, including implementing AWS lambdas using Python and creating Postgres database tables
- Rapidly adapted during a temporary reassignment to coordinate front end efforts to complete critical features within two-week deadline
- Ensured code quality through code reviews during pull requests and resolving tech debt during development
- Crafted end-to-end integration tests using Cypress to prevent user experience issues

Front End Software Engineer (Aug 2021 - Oct 2022)

SiteZeus Services, Remote

- Utilized Vue 3, Pinia, Leaflet.js, and REST APIs to integrate state management with a geographical map, allowing user to manipulate thousands of locations and other features for use in statistical analysis and business planning
- Brainstormed and developed self-motivated improvements to the product during the team's enhancement days, including a toast-style notification system to phase out fragmented legacy system
- Leveraged Teleport feature to integrate new components and systems with a legacy Knockout application towards ultimate goal of transitioning to a newer codebase built using Vue 3 and Composition API
- Coordinated directly with and provided feedback to designers, product owners, and quality assurance members in order to create an application with excellent user experience
- Participated in an agile sprint-based workflow and routine code reviews
- Led an initiative to incorporate ADA-compliant principles to the product by presenting research to the development and product team and involving the concept during design and development process

Full Stack Web Developer (Jan 2021 - Aug 2021)

Vanguard Group, Remote

- Constructed front end features using Angular for the "Open an Account" application with thousands of daily users, as well as for a number of shared applications and component libraries
- Ensured longevity of components and services through test-driven development, utilizing unit tests with Jasmine and Karma, and end-to-end tests with Cypress
- Worked closely with product owners and content managers to assure that the features meet the project's requirements and goals

- Identified, analyzed, and resolved dozens of user experience issues including bugs in real-time through monitoring Splunk dashboards and automated alerts
- Used Git and Bitbucket version control to collaborate and engage in code reviews

Front End Web Developer (Mar 2018 - Dec 2020)

JP Morgan Chase & Co., Wilmington DE & Remote

- Created modular components usable on multiple sites within brands, such as site navigation, headers and footers, modals, article grids, tab navigation, accordions, and others
- Conceptualized full-stack tech approaches for reusable components which can easily be dropped onto page by content authors, then developed responsive front end code based from requirements and designs using HTML5, CSS, LESS, JavaScript, and jQuery
- Implemented REST APIs and business logic to create dynamic, data-driven interfaces, such as the JPMC Careers search filter components
- Utilized Git/BitBucket version control system, Jira-integrated branch management, and SonarQube linter to ensure code quality and consistency before reaching production platform

EDUCATION

Bachelor of Science (B.S.) in Computer Science

Drexel University, Philadelphia, PA

SKILLS

- **Fundamentals:** HTML, CSS, SCSS, Tailwind, JavaScript, TypeScript, APIs (REST, WebSocket, GraphQL)
- **Frameworks & Libraries:** React, Vue, Angular, NextJS, Astro, Vite, Knockout, d3js, MUI, jQuery, Jest, Cypress
- **State Management:** Recoil, Redux, Jotai, Zustand, TanStack React Query, Vuex, Pinia
- **Back End:** Postgres, Firebase, SQL, C#, Java, Python, Visual Studio

PROJECTS

Sunset System

Fully-custom worldbuilding blog built using Astro, an SSG & SSR framework. Focuses heavily on content and features image compression and markdown pages. UI components and [interactive map](#) built using React, TypeScript, Jotai, SCSS, and is fully responsive.

www.sunset-system.com | github.com/prokhorvlg/sunset-astro



Notebot

Full-stack web app for note-taking built with React, Vite, and TypeScript. Implements state using Zustand & Jotai, Firebase back end to store user categories and notes, and a custom front end with rich text editing. Styled with SCSS, and is fully responsive.

notebot-prokhorvlg.vercel.app | github.com/prokhorvlg/notebot

