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Summary

Senior Frontend Engineer with over 10 years of experience building scalable applications. Expertise in React, Next.js, and TypeScript, with a proven track record of architecting complex UI workflows and enhancing accessibility. Demonstrated ability to mentor development teams and efficiently collaborate with cross-functional groups to deliver major features from concept to release.

Professional Skills

- **Professional Skills:** 10+ years of extensive JavaScript Front End development usage, 6+ years of experience with TypeScript and React library, Deep knowledge of core JavaScript/TypeScript, DOM manipulations, CSS animations, Responsive Web Design, Ability to write clean, reusable, and maintainable code, Full-stack Development, Design Patterns, Agile Methodology, Testing
- **Languages:** React, HTML5, CSS3, SASS, JavaScript (ES5 / ES6 / ES7 / Babel / JSX / TypeScript), Python
- **Frameworks/Libraries/Middleware:** React, Redux, NextJS, Tailwind CSS, React Native, React-query, React-dnd, Redux-thunk, Redux Sage, Redux Toolkit, React Styled Components, Bootstrap, jQuery, Lodash, RxJS, MomentJS, SugarJS, Material UI, Emotion CSS, Angular Material, D3, Highcharts, Vega, Victory Charts, React-Hook-Form, Shaden UI, Telegram API, Framer Motion, Zustand
- **Testing Frameworks:** Jest, Cypress, Playwright, Karma, Jasmine, Mocha, Expect / ExpectJSX, Enzyme, Sinon, Automated Testing
- **Technologies:** Single Page Application (SPA), JSON, AJAX, SVG, REST API, NodeJS, WebRTC, Express, GraphQL, websockets, MongoDB, Electron, PostgreSQL, Prisma
- **Programs/Tools/Services:** NPM, Webpack, Gulp, Git, TSLint, VirtualBox, Adobe Photoshop, Adobe Lightroom, PTGui, Axure RP Pro, Camtasia Studio, GitHub, GitLab, BitBucket, Pivotal Tracker, Redmine, RallyDev, XCode, Sublime Text 3, Visual Studio Code, Jira, Storybook, Lerna, Commitizen, Commitlint, Husky, Figma, Amazon Web Services, AWS S3, AWS CloudFront, Docker, Redis, Memurai, Kubernetes, Accessibility Screen Readers, Microsoft Azure, Continuous Integration
- **OS:** Windows, Mac OS
- **AI Tools and Models:** Cursor, Claude, ChatGPT, Anthropic Sonnet4.6/Opus4.7, Nano Banana 2/PRO, Veo3.1, Seedance 2, Kling 3, ElevenLabs

Professional Experience

Apple Inc.

Sep 2025 – Present

Frontend Development Lead

- Maintained Vue3-based UI library that is used across multiple websites at Apple
- Added E2E and screenshot tests
- Added unit test coverage (2500+ tests)
- Collaborated with designers and project managers to improve existing functionality of the library
- Fixed bugs, improved existing functionality and added new features

Crash Champions (Precocity LLC)

Aug 2024 - Jul 2025

Senior React Software Developer

- Engineered scalable app architecture using React to ensure maintainability and performance improvements.
- Modernized a legacy C#/Razor website by transitioning it into a dynamic React application, enhancing user experience and system reliability.
- Translated Figma design assets into reusable React components, facilitating efficient feature development and close collaboration with design teams.
- Optimized application performance through rigorous code reviews and performance tuning, supporting scalable operations.
- Created server-side logic and APIs using NodeJS for backend service architecture
- Implemented automated testing with Vitest to elevate code quality and maintain robust test coverage.

Cognizant

Feb 2023 - Jun 2024

Senior React/Fullstack Developer

- Collaborated with cross-functional teams—including UI developers, backend engineers, and designers—to launch a React Native mobile app and web platform for Cigna, impacting thousands of users.
- Architected micro-frontend structures and integrated RESTful APIs to build scalable web solutions, leveraging React and TypeScript.
- Enhanced application functionality by implementing internationalization (i18n) and web accessibility features, ensuring compliance with accessibility standards.
- Streamlined development workflows through continuous integration and deployment practices, improving overall code quality.
- Refactored code and conducted thorough reviews while integrating efficient form handling using React-Hook-Form to bolster web

performance and maintainability.

- Developed Python and Node.js backend solutions to facilitate efficient client-side communication via REST and GraphQL APIs
- Facilitated secure user access by implementing authentication and authorization protocols with Auth0.

Comcast

Jun 2021 - Feb 2023

Senior UI Engineer

- Developed a D3-based charting library, now used by multiple teams within Comcast, enhancing data visualization efficiency.
- Created and thoroughly tested React graph components in Storybook, ensuring high quality and reusable UI elements.
- Used Emotion CSS and Tailwind CSS + styled components for styling
- Implemented unit and e2e tests with React Testing Library, Jest and Playwright
- Worked closely with front end engineers, designers, and other team members to create a seamless user experience, improving team collaboration and project consistency.
- Developed and published NPM modules for the charting library, facilitating easy integration and usage across projects, reducing development time.
- Integrated the D3-based charting library to a web application for Comcast business users
- Used GraphQL for optimized data fetching and Redux/Redux Saga for client-side state management
- Integrated internationalization (i18n) to support multiple languages and locales.
- Implemented shell scripting to automate development workflows.
- Utilized Yarn for package management.
- Optimized web performance to enhance user experience.
- Developed and integrated RESTful APIs and Websockets for data interaction.
- Ensured responsive design for optimal user experience across devices.
- Conducted code reviews to maintain code quality and consistency.
- Created Figma mockups and wireframes for design validation.
- Led the integration of web accessibility features, including compatibility with screen readers, ensuring compliance with accessibility standards and improving usability for all users.

Retention Science

Jan 2021 - Jun 2021

Senior Software Engineer

- Designed and implemented the UI for a complex email marketing tool, increasing user satisfaction.
- Partnered with front end, back end engineers, and QA to develop robust features, leading to a decrease in reported issues.
- Refactored existing code and developed new reusable React components, enhancing code maintainability and reducing future development efforts.
- Implemented web accessibility features to ensure the tool meets accessibility standards.
- Worked on continuous integration to streamline the development process and improve code quality.
- Applied test-driven development (TDD) to ensure code reliability and functionality.
- Optimized web performance to enhance user experience.
- Developed and integrated RESTful APIs for data interaction.
- Conducted code reviews to maintain code quality and consistency.
- Worked closely with backend developers and UI/UX designers to develop optimal solutions, enhancing product quality.
- Actively participated in meetings, contributing to strategic decision-making and project planning.
- Developed innovative UI/UX solutions for company applications, improving user engagement and satisfaction.
- Created a comprehensive UI style guide and its interactive implementation, ensuring uniformity across applications.
- Implemented CSS animations and modern ES6/ES7 features, enhancing code quality and maintainability.
- Developed automated unit tests using Jest and Enzyme, ensuring code reliability and reducing bugs.
- Developed automated integration and end-to-end tests using Cypress, improving testing efficiency and application stability.
- Configured automated tools and module bundlers, streamlining the development process and enhancing productivity.
- Optimized web performance to enhance user experience.
- Developed and integrated RESTful APIs for data interaction.
- Switched from Redux Saga to React Query (TanStack query) for performance and code optimizations and handling server states
- Collaborated effectively with team members to ensure project alignment and collaboration.
- Implemented artificial intelligence (AI) features to enhance data analysis and user experience.
- Architected web solutions to ensure scalability and maintainability.

TigerConnect Inc.

Jan 2020 - Oct 2020

Web Engineer

- Developed UI for high-load TigerConnect products, improving load times and enhancing user experience.

- Worked with web engineers, designers, product owners, and QA to deliver high-quality features, resulting in a significant increase in user engagement.
- Enhanced existing messenger functionality and introduced new features, reducing user-reported issues.
- Implemented web accessibility features to ensure the products meet accessibility standards.
- Worked on continuous integration to streamline the development process and improve code quality.
- Applied test-driven development (TDD) to ensure code reliability and functionality.
- Utilized WebRTC for real-time communication features.
- Optimized web performance to enhance user experience.
- Developed and integrated RESTful APIs for data interaction.
- Ensured responsive design for optimal user experience across devices.
- Conducted code reviews to maintain code quality and consistency.
- Created Figma mockups and wireframes for design validation.

Technologies used: React, Redux, MobX, Electron, TypeScript, JavaScript, HTML5, CSS3/SASS, Flexbox, Webpack, JSON, Jest, GIT, GitHub, WebRTC, TDD, Figma

Apple Inc.

Jul 2018 - Dec 2019

Technical Lead

- Designed and implemented the UI for «GCRM Insight» application, providing actionable insights into AppleCare CRM data using machine learning models.
- Established the structure and architecture for «GCRM Insight» application, ensuring scalability and maintainability.
- Led a team of 2 Front End Engineers to deliver high-quality front-end solutions, fostering a collaborative team environment.
- Developed front end applications using modern JS frameworks and tools, enhancing functionality and user experience.
- Created and implemented design and style guides for internal applications, ensuring consistency across projects.
- Integrated real-time data with backend API to display charts using Bokeh, improving data representation and user interaction.
- Implemented drag-and-drop functionality for chart editor using react-dnd, enhancing user interface interaction.
- Utilized Vega/VegaLite charting library for real-time data streaming, improving data visualization capabilities.
- Used Redux for state management
- Integrated front end with various backend APIs, ensuring seamless data flow and application performance.
- Worked closely with backend developers and UI/UX designers to develop optimal solutions, enhancing product quality.
- Actively participated in meetings, contributing to strategic decision-making and project planning.
- Developed innovative UI/UX solutions for company applications, improving user engagement and satisfaction.
- Created a comprehensive UI style guide and its interactive implementation, ensuring uniformity across applications.
- Implemented CSS animations and modern ES6/ES7 features, enhancing code quality and maintainability.
- Developed automated unit tests using Jest and Enzyme, ensuring code reliability and reducing bugs.
- Developed automated integration and end-to-end tests using Cypress, improving testing efficiency and application stability.
- Configured automated tools and module bundlers, streamlining the development process and enhancing productivity.
- Optimized web performance to enhance user experience.
- Developed and integrated RESTful APIs and websockets for data interaction.
- Architected Python and NodeJS-based backend solutions (microservices architecture) to ensure scalability and maintainability.
- Collaborated effectively with team members to ensure project alignment and collaboration.
- Implemented artificial intelligence (AI) features to enhance data analysis and user experience.

ADP

Senior Front End Engineer

Feb 2018 - Apr 2018

- Developed the front end for a complex customer-facing financial web and mobile application, improving user accessibility and experience.
- Created front-end UI using HTML5, CSS3, and JavaScript, ensuring a responsive and visually appealing interface.
- Redesigned and created reusable components, pipes, and directives in Angular 5, enhancing code maintainability and efficiency.
- Structured TypeScript code using Angular, improving code organization and readability.
- Worked with product management and UX teams to deliver an exceptional user experience, resulting in increased user satisfaction.
- Developed native mobile apps for iOS and Android, expanding the application's reach and usability.
- Created and modified component styles using SASS/CSS, ensuring consistent and maintainable design.
- Optimized code for performance and readability, enhancing application speed and maintainability.
- Collaborated with developers, designers, and QA in an agile environment to deliver high-quality features.

- Developed automated tests using Karma and Jasmine, ensuring code reliability and reducing bugs.
- Fixed cross-browser compatibility issues (Safari, IE11+), ensuring a consistent user experience across different browsers.
- Worked in an agile/scrum environment, contributing to efficient project management and delivery.
- Implemented web performance optimizations to enhance user experience.
- Developed and integrated RESTful APIs for data interaction.
- Ensured fintech-specific compliance and functionality in the application.
- Conducted code reviews to maintain code quality and consistency.

1Automatic LLC

Jan 2014 - Nov 2017

Front End Developer / Technical Director

- Developed landing pages and marketing websites, increasing online presence and user engagement.
- Created designs for landing pages, ensuring visually appealing and user-friendly interfaces.
- Developed and optimized DB queries using MongoDB, ensuring efficient data retrieval and storage.
- Converted PSD mockups to HTML5/CSS3/JavaScript, ensuring pixel-perfect implementation.
- Developed JavaScript for Node JS applications, enabling efficient server and network interactions.
- Applied Agile and Scrum methodologies, contributing to efficient project management and delivery.
- Tested HTML pages across various devices (desktops, tablets, mobile phones), ensuring a consistent user experience.
- Integrated landing pages with WHMCS, streamlining the user experience and payment processes.
- Developed internal programs using React/Redux, enhancing operational efficiency and productivity.
- Used Adobe Photoshop for design preparation and image web optimizations
- Implemented ES6/ES7 features, writing clean and maintainable code for long-term projects.
- Developed automated tests using Mocha, Expect, and Enzyme, ensuring code quality and reliability.
- Led a team of developers, ensuring project goals were met and fostering a collaborative environment.
- Developed interactive UI/UX prototypes, improving design iterations and stakeholder feedback.
- Collaborated in UX/UI creation, enhancing user experience and interface design.
- Recruited and onboarded technical staff, strengthening the development team.
- Managed a team of designers and an executive manager, ensuring effective project execution and team coordination.
- Utilized JavaScript to add dynamic content to web pages, enhancing interactivity and user engagement.
- Created page layouts, navigation, animations, buttons, and icons using HTML5, CSS3, and JavaScript, ensuring a cohesive and user-friendly design.
- Developed comprehensive software requirements specifications, guiding the development process.
- Assigned tasks to front end and back end developers, ensuring project milestones were met.
- Trained staff on writing software requirements specifications, improving documentation quality.
- Worked with usability specialists and system administrators to enhance the quality and performance of software products.
- Collaborated with analysts to refine software products, ensuring high quality and user satisfaction.
- Coordinated the development of advertising materials and websites, ensuring consistency and effectiveness in marketing efforts.
- Implemented web performance optimizations to enhance user experience.
- Developed and integrated RESTful APIs for data interaction.
- Ensured responsive design for optimal user experience across devices.

Additional Experience

AIA-Studio

Apr 2026 – Present

Fullstack engineer, AI creator - <https://aia-studio.com/>

- Architected and developed a full-stack web platform for **AIA Studio** using **TanStack Start** (React-based SSR framework), handling digital book sales, FAQ, and investor-facing content
- Built an end-to-end **AI-powered content production pipeline** for a 10-issue sci-fi comic series and animated trailer, integrating **Veo3**, **Kling**, **Seedance**, and **Nano Banana** for video and image generation
- Designed a complete **visual identity system** for the *Sova's Legend: Dusk of the Gods* franchise — including 10 comic book covers, character reference sheets, title cards, and promotional assets
- Developed **structured prompt engineering workflows** for multi-model AI generation, covering photorealistic renders, comic book pages, animation sequences, and cinematic trailer storyboards across 25+ shots

BizHub System

May 2025 – Present

Full Stack Engineer - <https://bizhubsystem.com/>

- *Architected and developed a full-stack distributor onboarding platform using TanStack Start/Router (React 19, TypeScript), Express, Prisma, and Clerk, with file-based routing and a protected app shell for multi-step user workflows.*
- *Designed the BizHub product UI and website, then implemented the experience end to end.*
- *Built an interactive team downline experience with react-d3-tree (custom SVG nodes, expand/collapse, status styling) plus a*

hierarchical table view with mobile card layouts for the same data.

- *Implemented admin modules for activation requests, sponsor ID management (PM validation), and questionnaires behind role-gated REST APIs, with search, filters, and responsive tables.*
- *Integrated AWS S3 and CloudFront for video/image delivery, presigned avatar uploads, and landing-page media including an image carousel with lazy loading and mobile pinch-zoom.*
- *Delivered bilingual (EN/RU) UX, theme support, sponsor/referral landing flows, and REST endpoints for user progress, team trees, and external sponsor verification.*

Post4Food

Sept 2024 – Present

Lead Full Stack Developer - <https://post4food.com/>

- Founded and led development of Post4Food, a web platform connecting restaurants and influencers to create mutually beneficial promotional partnerships.
- Architected the application using Next.js for server-side rendering, routing, and SEO optimization, delivering a fast and highly scalable web experience.
- Designed and implemented a modern front end with React, TypeScript, Tailwind CSS, and Shadcn UI for a sleek and responsive interface.
- Built a secure and scalable back end with PostgreSQL and Prisma ORM, ensuring efficient data management and reliable performance under growing traffic.
- Integrated Clerk for authentication, Stripe for payment processing, and Resend for automated transactional email delivery.
- Leveraged AWS services extensively — including AWS S3 for media storage and AWS CloudFront for global content delivery — ensuring low latency and high availability for users worldwide.
- Implemented Playwright automated testing to ensure cross-browser compatibility and prevent regressions before deployment.
- Oversaw the entire development lifecycle, managed project timelines, and coordinated with collaborators to ensure feature delivery on schedule.
- Focused on scalability, security, and performance optimizations to prepare the platform for rapid growth.
- Implemented Prisma Accelerate to improve the app performance

Bohr Quantum

Mar 2026 – Present

Full Stack Developer/Designer – Independent Contractor

- Redesigned the UI of an internal React application to be more professional and user-friendly

AI Sticker shop

Jul 2025 – Dec 2025

Software Engineer - <https://stickers-ai.shop/>

- Architected full-stack AI sticker generation platform using Next.js 15, React 19, and TypeScript, transforming photos into static and animated stickers for messaging platforms.
- Integrated multiple AI models including Banana SDK for background removal, style transformation, and animation, supporting 6+ artistic styles.
- Developed Python backend with RESTful API and asynchronous job queuing system, achieving 90%+ success rate for high-volume sticker generation requests.
- Implemented Stripe payment integration with checkout sessions, webhook handling, and automated balance top-ups for multi-tier package system.
- Built responsive UI with Tailwind CSS featuring complex animations and interactive demonstrations to enhance user engagement and conversion rates.

MechDX

Oct 2025 – Feb 2026

Full Stack Engineer - <https://mechdx.com/>

- Maintained and enhanced legacy codebase built with Next.js, resolving critical bugs and implementing new features to improve platform functionality and user experience.
- Optimized application performance by implementing Redis (Memurai) caching layer, reducing database load and improving response times for frequently accessed data.
- Managed complex application state using Redux, ensuring predictable state updates and seamless data flow across components. • Developed and maintained user interface components using Material-UI (MUI), ensuring consistent design patterns and responsive layouts across the platform.
- Implemented SWR for efficient data fetching and synchronization

- Architected autonomous AI agent workflows with Python and LangGraph, reducing manual workflows by 60%
- Developed Python AI backend with real-time communication via WebSockets and WebRTC, achieving shortest response latency
- Built scalable data layer with PostgreSQL for relational AI model metadata and MongoDB for distributed storage of un-structured AI-generated content
- Developed React and TypeScript charting components via AI code generation with SVG/D3.js for AI performance dashboards
- Built and deployed microservices in Python and Node.js with Docker/Kubernetes for scalability
- Accelerated MVP development by 40% using AI-powered tools (Windsurf, Cursor) in fast-paced startup environment

Education

Novosibirsk State Technical University (NSTU) (Russian Federation)	2003 - 2004
<i>Engineer Degree</i>	
Novosibirsk State Technical University (NSTU) (Russian Federation)	1999 - 2003
<i>Bachelor Degree</i>	