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Senior Frontend Engineer

Summary:

As a Sr. Frontend Engineer with 10+ years of experience in web development, I specialize in building dynamic and responsive web applications using a variety of technologies, including HTML, CSS, JavaScript, React, Vue, Next.js, Express.js, Node.js, Express.js, Nest.js and Sql. I possess a deep understanding of building complex software solutions and am proficient in Frontend development. I have a successful track record of designing and building scalable and high-performing applications that meet business needs and surpass client expectations in industries such as Fintech, eCommerce, Healthcare, and Social Apps.

Education:

Bachelor in computer engineering in New Jersey City University, Jersey City, NJ   Oct 2009 - Sep 2013

Skills:

Programming Languages: HTML, CSS3, Javascript, Typescript,

Frameworks & Libraries: React.js, React-Native, Vue.js, Backbone, Next.js, Redux, Redux-Toolkit, Context API Web socket, Node.js, Express.Js.

UI/UX Design Systems: Material UI, Ant Design, Bootstrap, Tailwind, Figma, Storybook, CSS Grid, Flexbox, SCSS

Web Technologies & Integrations: AJAX, Axios, Fetch, REST, GraphQL, Webpack, Babel, jQuery, Service Workers, Progressive Web Apps, Expo

Databases & Data Management: MongoDB, MySQL, PostgreSQL, Redis, Sequelize, RabbitMQ

Data Visualization & Graphics: D3, ChartJs, Highcharts, Canvas, HTML5 SVG

Software Design & Architecture: OOP, OOA, OOD, Design Patterns, Microservices, Vertical Architecture, Modular Architecture, Event-Driven Architecture.

ALM & Project Management: Git, GitLab, GitHub, Azure Pipelines, Azure Boards, Trello, Jira, Scrum, Kanban

Cloud Service: AWS Lambda, EC2, Route53, Redis, S3 bucket, Microsoft Azure, GCP, Terraform, RDBMS
Communication & Collaboration: Socket.io, Pair Programming, Code Reviews

Experience:
AeroDefense | Oceanport, NJ   **Jan 2023 – Sep 2024**
Sr. Frontend Engineer

- Designed the Front-end applications, And Mobile Application As well for user interactive (UI) web pages using web technologies like HTML5, CSS3, Es6 JavaScript, React JS and React-Native/Redux Saga.
- Worked as a Front End Developer on the project with Javascript, ES6, React, Redux Saga, RESTful services, HTML5/CSS3/SASS/Bootstrap and Gitlab.
- Implemented Redux Saga's with actions and reducers to implement a sync API calls.
- Made use of redux saga middleware to access redux application state and dispatched redux actions.
- Worked in designing, developing and testing the web application by using the HTML5, CSS3, SASS, LESS, Bootstrap, and React.JS.
- Involved in designing in web pages using HTML 5, XHTML, CSS3, JavaScript, React.js, Redux, React-Bootstrap, Node.js, express.js, Mongo DB.
- Worked in designing the CSS templates for use in all pages on the website working with CSSBackground, positioning, text, border, margin, padding, and table.
- Skilled in leading frameworks as React.js to build high-quality, scalable and reusable components and Front-end solution.
- Developed user interface by using the React HOC, Flux/Redux for SPA development.
- Used React Observables to create custom components for data manipulations and to display data in company standard format.
- Developed dynamic responsive Web Application by integrating Angular JS with Bootstrap and LESS CSS which is further integrated with Web Services.

- Designed layouts on the front-end and developed web pages responsive for smart phones, tablets and Personal desktops using HTML5, CSS3, Bootstrap, jQuery, React HOC, Redux & React Promises
- Developed UI components for email and link sharing of documents and files for a Content Management System using Backbone.js and React Promises.
- Enhanced the React Observables with Redux, React-router and Redux-thunk.
- Used Redux-Thunk as middleware to manipulate the data type and handle multiple actions.
- Revamping and rewriting front-end using preact js, redux, saga, webpack.
- Developed user interface by using the React JS, Flux for SPA development.
- Developed presentation layer using XML, XSL, GitLab JavaScript, CSS, JSP, JSTL, Custom tags etc.
- Delivered mobile app for book reading capability with HTML5 Sencha and online services with Flash/Flex.
- Implemented back-end Web API with the use of MongoDB, ExpressJS, and NodeJS and established connectivity with the use of Axios.
- Achieved APIs calls from back end NodeJS using React axios.
- Working with Axios Library to fetch data from network request
- Elegantly used React-Router techniques Axios service to retrieve data from server synchronously in the background without interfering with the display and existing page in an interactive way.
- Developed the presentation layer (UI) using JSP, Tag libraries, HTML, Flash, CSS and client validations using JavaScript.
- Developed applications using Velocity framework, JSP, JSTL, struts tag libraries (struts-bean, struts-html, struts-logic), CSS, spring framework, java, java script, Ajax, HTML and DHTML GitLab for front-end development.
- Developed user interfaces using JSP, JSF frame work with AJAX, Java Script, HTML, DHTML, and CSS.
- Responsible for front end development using React, Mobx, CSS, Ant design and various node modules.
- Strong focus on React-Native, React, Electron, iOS, ES6, CSS, MobX, Webpack, and Node.js
- Evaluated and extensively tested React, ExtReact, Redux and MobX.
- Developing Single Pages Application using HTML5, CSS3, Bootstrap, React Async Await, Nextjs, GraphQl, Expressjs, NodeJS, Socket, LESS.
- Developed an internal application using ReactJS, Nextjs, Express and NodeJS for Relationship Mangers.
- Created web pages using HTML5, CSS3, JavaScript, XML, JSON, JavaScript, JSPs, JQuery, Handlebars, Lodash, SASS and Angular JS for developing user interface.
- Designed User Interfaces using JSP, jQuery, CSS, HTML, Bootstrap, NodeJS, and Lodash for front end view as per the requirements that are provided.
- Added new features using React/Redux Lodash for functionality of few modules.
- Deployed and host the application on Amazon Web Service (AWS).
- Installed the application on AWS EC2 instances and configured the storage on S3 bucket.
- Involved AWS Elastic Beanstalk for deploying and scaling web applications and services developed with Mern and Docker on familiar servers such as Apache.
- Built dynamically generated dropdown lists using ES6 & Chrome DevTools.
- Used ES6, JSX with react for component development make react look more elegant.
- Used Babel.js to transpile ES6 and JSX into JavaScript

MBI | Pittsburgh, PA   **Dec 2019 - Dec 2022**
Senior Frontend Engineer
- Developed robust form management system with complete CRUD capabilities in React Native, Redux, and Firebase.
- Mobile app written in React Native with a firebase backend currently live in the app store.
- Developed JavaScript utility objects for common client side validations, history handling, window management and menus management
- Designed and implementing a Node.js based mobile text and voice messaging app and its cloud backend.
- Designed and implemented user interface for web-based customer application using HTML5, CSS3, Typescript, JSON, AJAX and Angular.
- Used Webpack, Babel and gulp for transpilation (compilation) configuration for Typescript to be converted to JavaScript.
- Developed single page applications using Angular, Typescript, HTML5, CSS3, and Bootstrap.
- Working with React Router for developing Single Page Applications SPAs.
- Using lifecycle methods and React Async Await.
- Implemented web page using the semantic markup and page layout of HTML5 and implemented the new CSS3 border-radius property for the design layout and CSS3 transitions to change property values over a given duration.
- Responsible for creating efficient design and developing User Interaction screens using HTML5semantics new tags like audio, video, canvas) CSS3, JavaScript, jQuery, Saga and JSON.
- Implemented unit and integration testing for all layers of the applications using frameworks like JUnit, Spock, Mocha, Jasmine.

- Debugging applications in different browsers using Firebug, and testing applications using QUnit, Jasmine karma and Mocha.
- Performed Unit testing on applications using tools like chai, mocha, and enzyme within Test-Driven Development (TDD).
- Knowledge on unit testing and integration testing frameworks and libraries like Mocha and Chai.
- Involved in unit testing of various modules by generating the test cases using Jasmine, Mocha, Enzyme, Chai, Jest and Karma.
- Created Unit tests using Mocha, Sinon, Chai and Enzyme.
- Developed the unit testing scripts using JEST for testing the React components using Enzyme and react test renderer.
- Used JIRA for Bug Tracking and JSLint for ensuring quality code.
- Involved in unit testing of various modules by generating the test cases using Jest & Enzyme.
- Created unit tests using Enzyme, Mocha, Shallow.
- Implemented Hibernate for the ORM layer in transacting with Oracle database
- Developed Oracle PL/SQLStored Procedures and Queries for Payment release process and authorization process.
- Worked with React-router, JSX, Babel, and React bootstrap.
- Used WebPack, Babel and gulp for transpilation(compilation) configuration for Typescript to be converted to JavaScript.
- Webpack plugin to perform various tasks that build our application.
- Utilized JSLint to maintain consistent style amongst all the developers and Used GIT for version control.
- Bugzilla was used to report and track bugs, JSLint for ensuring quality code.
- Worked with J2EE packages such as DI, EJB, JPA, JDBS, JNDI, JMS and Restful web services
- Implemented the multi datacenter cluster consisting of Cassandra rings.

US Bank | Newark, NJ   **Oct 2015 - Nov 2019**
Sr. Frontend Engineer
- Developed and launched a new e-commerce platform using React.js and Node.js, resulting in a 25% increase in online sales within the first three months.
- Collaborated with the UX team to optimize the user experience, resulting in a 15% increase in customer satisfaction scores.
- Implemented automated testing platforms and unit tests, reducing the number of bugs by 40% and improving overall code quality.
- Designed and developed a custom CRM system using React.js and MongoDB, resulting in a 30% increase in sales team productivity and a 20% increase in customer retention.
- Implemented security and data protection solutions, ensuring compliance with industry standards and regulations.
- Solid experience on API development using node.js express.js and Mongoose.
- Real time Micro services development experience using Cloud based Devops solutions like AWS.
- Added dynamic functionality to the application by implementing JQuery,, Node.js.
- Collaborated with the product team to define and implement a technology roadmap, resulting in a 50% increase in feature delivery speed and a 25% increase in customer engagement
- Led the development of web applications, initially starting with AngularJS 1.5 and then spearheading the transition to React towards the latter part of the tenure. Integrated Redux for state management and used TypeScript for enhanced code reliability.
- Collaborated with the UI/UX team to implement Material UI for crafting visually appealing and user-centric interfaces. As the application matured, explored and incorporated components from Ant Design to further refine the user experience.
- Championed the creation of rich data visualization components using D3.js, transforming complex data into interactive and user-friendly visuals.
- Experimented with three.js to conceptualize and develop 3D user interfaces, leading to pioneering prototypes that hinted at future application directions.
- Developed a secure file manipulation system that converted files into base64 strings and encrypted them for safe storage in the database.
- Deepened expertise in API development, starting with RESTful patterns and transitioning into GraphQL towards the latter stages of the role.
- Ensured frontend architecture was modular and maintainable, using Bootstrap in conjunction with Material UI and AntD to ensure consistent, responsive, and engaging UIs.

- Actively collaborated with product owners and stakeholders, transforming business requirements into functional, high-performance user interfaces and streamlined user flows.
- Interfaced with the database team regularly, providing input on SQL optimization, writing Queries, Stored Procedures, Views, and User-Defined Functions.

Vonage | Holmdel, NJ   **Oct 2013 - Sep 2015**
Frontend Engineer
- Optimized applications for maximum speed and scalability, resulting in a 30% reduction in page load times and a 20% increase in overall system performance.
- Collaborated with the DevOps team to implement continuous integration and continuous delivery (CI/CD) practices, reducing software release times by 50% and minimizing production issues by 30%.
- Spearheaded the early adoption of React for web application development, showcasing forward-thinking and innovative solutions for modern UI challenges.
- Integrated web applications with external APIs using jQuery's AJAX methods, ensuring real-time data fetching and seamless user experiences.
- Worked on Design and development of Restful APIs using Node.js and JSON.
- Emphasized component-driven development using React, which fostered reusability, maintainability, and consistency across the application interfaces.
- Collaborated with the backend team to design and implement RESTful services using Node.js, enhancing the React application's data interactions.
- Applied best practices in responsive web design, employing HTML5, CSS3, and Bootstrap, ensuring that applications were fully functional across a variety of devices and screen sizes.
- Leveraged the strengths of jQuery for specific DOM manipulations, animations, and event handling in scenarios where React's virtual DOM was less optimal.
- Introduced unit testing strategies to the team, promoting a culture of code reliability and early bug detection.
- Actively participated in code reviews and pair programming sessions, fostering a culture of continuous learning and quality assurance.
- Provided documentation and training for the team on transitioning to React, paving the way for its broader adoption in future projects.
- Built a consolidated app Node.js-based back end from the ground up including but not limited to email-based and social auth as well as Stripe integration for subscription management.
- Implemented an approach to application deployment on AWS involving EC2 and RDS services which leveraged Docker Compose as well as uptime and error monitoring services.