

Parth Desai

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EDUCATION

Northwestern University (2018 – 2019)

Masters in Product Design and Development. Coursework included new product development, Innovation and Creativity, Supply chain designing and management, Product marketing, financial management of new product development, User Research techniques, Agile methodology and project management, Scrum master basics, Product ideation and journey mapping, UI/UX designing, VOC and ethnography research, Digital user experience, Service design, User experience, Human centered design, and Empathy research.

Prin. L.N. Welingkar institute of Research and development (2013 – 2015)

Masters in Business Administration (MBA). Coursework included Business Design, Financial management, Operations Management, HR management, Innovation through Design thinking, Memetics, International trade and marketing, Marketing, Branding, Business models, Product innovation, User psychology, Pricing techniques, 3D printing and manufacturing, Trend analysis and new product creation techniques.

Veermata Jijabai Technological Institute (VJTI) (2008-2011)

Bachelors in Electrical Engineering. Coursework included Basics in Electrical engineering, Power management, Transmission and Distribution, Designing electrical machines, Motors and generators, Transformer design, Manufacturing of electrical appliances, Basics in Electronics, PLCs and embedded systems, Power electronics, Generation of power, Power stations, Fiber optics, Integrated circuits, and design of electronic circuits.

SUMMARY:

- Extensive experience in **Front end development** involving Software Development life cycle using **Agile/Scrum methodologies** for development, and having **SAFe 5.0** certification. Familiar with implementing unit tests and end-to-end testing using **Test-Driven Development (TDD) and Behavior-Driven Development (BDD)** tools like Jest, Karma and Jasmine.
- Experience in various domains like healthcare and e-commerce sectors and highly proficient in **MERN stack** and **Node** environment using **ReactJS, NodeJS, ExpressJS, jQuery, AJAX and MongoDB** for developing React projects.
- Experience in using **React-Redux, Redux-Thunk, Redux-Saga, Flux** and **React-Router** for creating complicated Single Page Applications.
- Experience using **React.js Components, Props, State, Higher Order Components, Context**, react routes, working with react hooks, and Life-cycle methods, **React Hooks and React-Redux architecture** also familiar on working with React-Native.
- Experience with **NextJS** framework, have implemented many projects using different NextJs concepts like **routing, image optimization, SSR** and many others.

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- Good grip of NodeJS **REPL**, package manager, **callbacks**, **event loop**, **cryptography**, debugger, child processes, buffers, streams, file systems and web modules
- Good exposure of Web protocols and standards (**HTTPS HTMLS**, **CSS**, **XML**, **parsers**). Worked with non-relational databases **MongoDb**, using the databases for many projects for developing an effective application.
- Expertise in developing responsive Web Design, Grid framework applications.
- Experience with developing **RESTful** web applications using **NodeJS libraries**, like **ExpressJS**, **Mongoose**, **body-parser** and **dotenv**.
- Experience in using **JWT**, **OAuth 2.0** for Tokenizing and authenticating user sessions.
- Using front end development tools like **Babel**, **webpack** and **npm** in front end development.
- Have working knowledge of **AngularJs**, but not implemented industry specific projects.
- Worked with **Modernizr** for feature detection and developing the app.
- Extensively used **Bootstrap** and **CSS media queries** for developing responsive apps.
- Implemented **React-i18Next** library in personal and professional projects.
- Good knowledge about using wireframe tools like **FIGMA**.
- Worked with **MUI (Material UI)** library for many projects, created responsive and customer friendly MUI components using MUI styled components, MUI react components for typography, pagination, mobile first design and many others.
- Experience in working with **GraphQL queries** in a data-centric application using **GraphQL** and **D3.js** for dynamic data visualization.
- Worked with many **CMS** system and headless CMS like Wordpress, Strapi and others.
- Did **prototyping**, **feasibility testing** and usability testing in some projects as required.
- Great knowledge of **AWS: S3**, **EC2**, **Route 53**, load balancing(**ALB**, **NLB**) and other concepts.
- Implemented **micro front end architecture (MFE)** in personal and professional projects.
- Experience with project documentation tools like **JIRA** and **Tfs**.
- Expert in leveraging tools **CI/CD tools** and **SonarQube**. I have worked with SonarQube and other tools in all the projects.
- Great knowledge of **Object-oriented design principles** and other **architecture principles** used in various projects.
- Writing **story books** and other documentation/record keeping for many projects as additional responsibility.
- Entrepreneurial minded, creative problem solver and innovative thinker.
- Highly passionate in frontend development, self-learner, curious about new technologies, able to work independently and in teams, and can handle multiple projects while remaining detail oriented on each one.

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TECHNICAL SKILLS:

Web Technologies\

HTML5, XML, DOM, CSS3, JavaScript, \ TypeScript, ES5/6, Ajax, JSON, jQuery. \ MERN Stack, GraphQL, CMS\

Framework & Library\

ReactJS, Redux, Flux, Next, NextJs, jQuery, NodeJS, ExpressJS, Mongoose, Bootstrap3/4, MUI 5.x.x

Database\

MongoDB 4.x, Redis, Google Firebase, \ DB2 11.x.\

Programming languages\

JavaScript, TypeScript\

CSS Preprocessor & JS Task Runner\

LESS, SASS, Tailwind CSS, Gulp, Grunt, \ Webpack.\

Data Visualization\

D3.js, Fusion Charts, Highcharts \

SDLC Methodologies\

Agile, SCRUM, Waterfall, TDD.\ JIRA, Confluence

Debugging Tools\

Dev Tools, Chrome Inspector.\

IDE & tools \

Visual Studio, Github Adobe Photoshop, Adobe Illustrator.\

Operating systems\

Windows Environment, Linux.\

Testing libraries\

React testing library, JEST, MochaJS\

PROFESSIONAL EXPERIENCES:

LexisNexis, NC

April 2022 – March 2024

Role: Web Front-end Developer

Description:

LexisNexis is a part of the RELX corporation (formerly Reed Elsevier) having products and various databases that are accessed through online portals, including portals for computer-assisted legal research (CALR). During the 1970s, LexisNexis began to make legal and journalistic documents more accessible electronically. Currently, the company had the world's largest electronic database for legal and public-records-related information computer vision perception IoT systems to provide real time data to develop smart transportation system for cities and towns.

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Responsibilities:

- Developed the project with **Microsoft Teams, React, bootstrap, SCSS** and **SQL** on the back end.
- Collaboratively designed **UI/UX** and created low-fidelity and high-fidelity wireframes using **Figma** with UX Designer.
- Developed interactive and responsive UI for the project, including location lists, pie charts, navigations, and buttons, using **JSX expressions, JavaScript, ReactJS, React-Bootstrap** and **CSS3**.
- Implemented **React-Northstar React-Fluent UI** library for front end components and integrated with our own project code. and
- Used **react CLI and boiler-plates** for to reuse the code and configure various libraries.
- Implemented hooks like **useState, useEffect and useContext** to better utilize state and lifecycle features.
- Building quick prototypes to gather initial important feedback of the team.
- Using Redux libraries like **redux-saga** with react components to optimize the app performance and have a single store to manage the entire app, used combination of react props where required to pass local data to the components.
- Implemented **react forms** for the feedback.
- Implemented line charts, pie charts, and other 2d and 3d charts using **react-charting** along with fluent UI for dynamic history data visualization.
- Using webpack 5 module, implemented module federation and micro front ends.
- Performed troubleshooting for **UI/UX** design of the project.
- Using **Flexbox and fluid layouts** for various HTML components and implemented **media queries with Bootstrap** to make the app more responsive.
- Spearheaded the **sonar bugs and issues** in the project and resolved many sonar issues.
- Performed Snapshot testing using **Jest** with **Babel** during code review.
- Followed **Agile** methodology, managed and tracked project development and did documentation using Tfs.
- Used **GitHub** to do version control.

Environment:

Microsoft teamsJs, Microsoft teamsfx, TSX, HTML5, Fluent-ui-8.1, Fluentui-reactCharting-5.7, Fluent-ui-React-icons-1.1, JavaScript (ES6+), React-Bootstrap 2.10, CSS3, ReactJS 16.8, JSON 2.7.1, babel-jest package, React-Redux, Redux-Saga, Figma, Agile, GitHub, Tfs, SonarQube, NodeJS 18, Webpack 5.

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FrontierBPM, PA

March 2021 – March 2022

Role: Web Application Front-end Developer

Description:

FrontierBPM are a global professional services and software application provider delivering powerful cost-effective Life Sciences and Healthcare Software Applications and Data Management Solutions. As an integral part of their delivery, they leverage decades of real-world mission-critical experience in every engagement, providing Advisory and Professional Services Excellence.

Responsibilities:

- Developed the project with **MERN** stack and creating an application which is simple to use and effective.
- Architected and implement **RESTAPI** interfaces using JavaScript and **Node.js**.
- Using **webpack** building multiple builds using Node.js and making dependency graphs to better management of all the files.
- Used React **components, Forms, Events**, Keys, Router, Animations, and Flux concept.
- Used react libraries like **routing and navigation** in the project to link different pages together.
- For state management we used **redux libraries** with react.
- Tested the native features by building **Modernizr** from npm package.
- Used agile/scrum methodology, elaborating, and estimating user requirements in the project.
- Implementing **react-redux** library for handling the store logic. It also helped in improving the performance optimization.
- Designing the **checkout form** for the vendor order portal using react forms and other react components.
- Testing is done using **Jest and Babel** during code review.
- Using combination of **Bootstrap** and **media queries** to make the app responsive to all screens.
- Atlassian confluence – **BPMN** for workflow automation and business processes.
- Building **reusable code and libraries** for future use.
- Used GitHub to do version control.
- Used CSS pre-processing platforms like SASS for the web app.

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Environment:

HTML5, JavaScript (ES6+), React-Bootstrap 2.0, CSS3, ReactJS 16.8, JSON 2.5.1, NodeJS 13, MongoDB 4.2, React-Redux, Redux-thunks, Express 4.17, babel-jest package, Agile, GitHub, REST, BPMN tool.

Sequaretek, NJ

Nov 2017 - July 2018 and Aug 2019 – Feb 2021

Role: Front-end developer and Product Consultant

- Provided strategic advice to product development by helping them understanding the needs of the customers for all their IT products. Managing a ray of projects from \$25,000 to \$500,000.
- Giving advice to sales and marketing team for onboarding the new customers for user experience, product roadmap, UAT testing and agile methodologies. Working with UI/UX team to incorporate the user stories and features in the product.
- Organizing conferences and events for the customer to experience the new features and development in the product, presenting in those conferences as well. Working closely with existing customers to gather the gaps in the products and designing the digital experience for the customer.
- Recognized as the **top achieving** employee by the CEO of the company.
- Developing the website on front end with **MERN** stack.
- Using **Reactjs, bootstrap**, CSS and media queries, **redux, typescript** and other tech stacks to create a dynamic and responsive web application.
- Implemented **MaterialUI** in the entire app and Material UI related components like accordion, stepper, breadcrumbs, card, tabs, popover, modals, radio groups, sliders, text field and others.
- Collaboratively designed **UI/UX** and created low-fidelity and high-fidelity wireframes using **Figma** with UX Designer.
- Implemented line charts using **D3.js** for dynamic history data visualization for the traffic situation at each intersection.
- Integrated custom advanced responsive **jQuery Carousel** within the website.
- Using **Material UI** implemented different forms and forms validation.
- From **analytics** perspective, worked on **data filtration** and data uploading.
- Implemented **global search** functionality for searching on the website.
- Implemented node modules like **Bcrypt, Crypto, fs, http, express** framework, and others.

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- For app performance used different react hooks like **useMemo**, **useCallback** and also memorized different parts of the app.
- Utilized **local and session storage** for storing various variables required as per the requirement.
- Worked on **Typography and color schemes** for both applications.
- Implemented **mobile first** approach for one of the applications.
- **Webpack** setup and configuration from scratch.
- Implemented **client-side routing**, code splitting and **lazy loading**.

Environment:

JSX, HTML5, JavaScript (ES6+), React-Bootstrap 1.0, CSS3, ReactJS 16.6, JSON 2.1, NodeJS 11, MongoDB 4.2, Express 4.16, D3.js 5.5, React-Redux, Material UI, Redux-Saga, Figma, Agile, GitHub, JIRA, GraphQL.

ICICI Bank Ltd, Mumbai

Feb 2016 - Mar 2017

Role: Deputy Manager ETRG

- Handling the existing portfolios for the bank for international trade customers, who had their existing onshore and offshore companies.
- Handling transactions of forex, import-exports proceeds, letter of credit and other trade instruments.
- Along with trade handling other products like sanctioning business loans, insurance, and credit cards, resulting in a 20% increase in profits month on month.
- Solving existing customer complaints and making sure it is documented and followed by the team in the future. Serving as a one-point customer support and customer feedback person in the team.