

Amandeep Kaur Benipal

eramankaur2015@gmail.com | (559) 304-1139 | California | www.linkedin.com/in/amandeep-k-benipal

PROFESSIONAL SUMMARY

- ✓ Having **8+ years** of professional experience as **Front end** and **Full Stack Developer** using **MERN** and **MEAN** (**MongoDB, ExpressJS, Angular, ReactJS, NodeJS, NextJs**).
- ✓ Worked with **Functional Programming, Object Oriented programming** and other **paradigms** with **JavaScript – ES5/ES6+**
- ✓ Good understanding of **functional programming** - pure **functions**, function **composition**, currying, immutable **objects**, **declarative programming**.
- ✓ Experience with **ReactJS** reusable components, **React-Router** for developing **SPA**, **JSX** for templating and worked with **props, state, keys, refs, events, props validation** and **React component life cycle** for state management and DOM manipulation.
- ✓ Experience with **React hooks** - **useState, useEffect, useContext, useMemo, useRef** and **useReducer**.
- ✓ Used **Redux** for State Management using **Store, Actions** and **Reducers**. Used **pure functions** to create reducers.
- ✓ **Implemented simple animations** and transitions using **React Native's Animated API** or third-party libraries to enhance user experience.
- ✓ Created **SPA** using **React-Router** - Used **BrowserRouter** for Web and **NativeRouter** for mobile
- ✓ **Expertise in Next.js**, utilizing **server-side rendering (SSR)**, **static site generation (SSG)**, and **API routes** for optimized performance and SEO-friendly applications
- ✓ **Designed modern, responsive, and accessible UI components** using **Tailwind CSS**, improving **consistency, performance, and maintainability** across applications
- ✓ **Proficiency in TypeScript**, ensuring **type safety, scalability, and maintainability** in large codebases
- ✓ Experience with **NodeJS, ExpressJS, MongoDB, lodash, promises, async, request, body-parser, fs, events, Socket.IO, Passport, Mongoose** and **Redis** for caching.
- ✓ Extensive experience with **JavaScript (ES5/ES6+)** closures, scope, promises, function expressions, hoisting, prototypes, block scoping, arrow functions, rest and spread, classes, modules, async and await and Patterns.
- ✓ Good understanding of design patterns – **IIFE, Module, Revealing Module, Prototype, Revealing Prototype patterns**.
- ✓ Proficient in **HTML5** new features like **Form Validation, Media (Audio & Video), Canvas, SVG, Web Worker, Local Storage, Session Storage, Web Socket, Application Storage (Offline)** and **IndexedDB API**.
- ✓ Experience in UI designing with **Bootstrap, Media Queries, Fluid Layout, Responsive Images, Typography, Google Analytics, Google Performance Metrics, Lazy loading, CSS3 preprocessors like SASS, JavaScript and jQuery** scripting technologies.
- ✓ Experience with **SVG** and **Sprites** and worked with icon-set **Font Awesome**.
- ✓ Experience in **JavaScript** and **Node.js** unit testing frameworks such as **Mocha, Chai, Jasmine, Karma, Jest** and used **Nightwatch.js** for end-to-end Automation Testing.
- ✓ Experience with **build tools** like **Grunt, Babel, and Webpack** for transpiling, bundling, minification, compilation and linting and used **ESLint** for code quality and formatting.
- ✓ Hands-on experience with **AWS EC2** for **scalable hosting**, **EKS** for **container orchestration** with **CI/CD**, and **S3** for **secure object storage** and **content delivery**
- ✓ Worked on **CI/CD** with **Jenkins, Git** and **Docker**.

EDUCATION

Master's in Computer Science Engineering, Punjabi University Regional Center for IT and Management, Punjab, India

Bachelor's in Computer Science Engineering, Baba Banda Singh Bahadur Engineering College, Fatehgarh Sahib, Punjab, India

TECHNICAL SKILLS

Web Technologies	HTML4/HTML5, CSS2/CSS3, SASS, XML, Bootstrap, TailwindCSS, JavaScript (ES5/ES6+), TypeScript, jQuery, NodeJS, AngularJS, ReactJS, NextJS, Ajax, ExpressJS, JSON, Jasmine, Cypress, Jest, MongoDB
Tools and IDEs	Visual Studio Code, Notepad++.
Application Server	NodeJS, ExpressJS, fastAPI
Version Control	GIT
Operating System	Windows, Linux and Mac OS
Programming languages	JavaScript, Typescript, Python
Database	SQL queries, MongoDB, and GraphQL
Cloud Platforms	AWS (EC2, EKS, S3, API Gateway, IAM)
Libraries	ExpressJS, Request, jQueryUI, ReactJS, Lodash, Material UI, Async, Google Fonts, Socket.IO, Mongoose, Google Maps Api

PROFESSIONAL EXPERIENCE

Franklin Templeton - San Mateo, CA

Jan 2023 - Present

Full Stack Developer

Description: A global investment management firm with over \$1.5 trillion in assets under management, offering innovative financial solutions to investors worldwide. Franklin Templeton provides cutting-edge technology platforms to enhance portfolio management and investment insights. With a strong presence in global markets, the firm delivers data-driven strategies for wealth growth. It leverages advanced digital tools to optimize investment experiences for individual and institutional clients. Committed to financial innovation, Franklin Templeton continuously evolves to meet the dynamic needs of investors

Responsibilities:

- ✓ Developed and enhanced the **Investment Dashboard** using **Next.js**, **JavaScript**, and **TypeScript**, ensuring a fast, scalable, and responsive user experience
- ✓ Built and optimized a scalable backend with **FastAPI (Python)** and **GraphQL**, ensuring efficient and **secure API interactions**

- ✓ Designed and optimized a **responsive UI** using **Tailwind CSS**, enhancing **user experience** and accessibility across devices
- ✓ Implemented dynamic and interactive visualizations using **Recharts**, enhancing investor analytics and decision-making
- ✓ Managed state efficiently with **Redux**, ensuring seamless data flow and improved application performance
- ✓ Integrated **NextAuth** for secure user **authentication**, enhancing access control and data privacy
- ✓ Designed and maintained a **robust CI/CD** pipeline using **Jenkins**, **GitHub Actions**, and **Git**, **automating testing** and **deployments** for streamlined release
- ✓ Deployed and orchestrated services using Docker and Kubernetes, optimizing scalability and resource utilization
- ✓ Leveraged AWS infrastructure, **including EC2, EKS, and S3**, for scalable, secure, and highly available deployments
- ✓ Ensured code quality and stability through comprehensive **end-to-end** testing with **Cypress**, preventing **regressions** and improving reliability
- ✓ Actively contributed to **Agile/Scrum** workflows, participating in **sprint planning**, **code reviews**, and continuous improvements
- ✓ Collaborated with cross-functional teams to gather business requirements, optimize features, and enhance investment insights for users
- ✓ Implemented **unit tests**, **integration tests**, and **end-to-end tests** to validate system functionality and prevent regressions.
- ✓ Demonstrated expertise in **full-stack** development by successfully delivering and maintaining critical financial applications.
- ✓ Contributed to enhancing the overall **technological stack**, staying informed about industry trends and incorporating best practices.

Environment: Next.js, JavaScript, TypeScript, Redux, Recharts, Webpack, Babel, NextAuth, FastAPI (Python), GraphQL, Cypress, Docker, Kubernetes, AWS (EKS, EC2, S3), Jenkins, GitHub Actions, Git, Tailwind CSS, HTML5, CSS3

AMEX – Palo Alto, CA
Full Stack Developer

Jul 2021 - Dec 2022

Description: The American Express Company, also known as Amex, is an American multinational financial services corporation headquartered in Manhattan's Three World Financial Center in New York City, United States. The company is best known for its credit card, charge card, and traveler's cheque businesses. Amex cards account for approximately 24% of the total dollar volume of credit card transactions in the US

Responsibilities:

- ✓ Complete exposure with **MERN** (MongoDB, ExpressJS, ReactJS, and NodeJS) full stack programming.
- ✓ Experience with **ReactJS** new features like **Error boundaries**, **fragments**, and new lifecycle methods.
- ✓ Worked with React - props, state, keys, refs, events and fetch API to make calls to the server
- ✓ Developed and maintained **MongoDB databases**, **implementing schemas** and **optimizing queries** for better **data handling**
- ✓ Used **Redux** for state management. Created **reducers** with **pure functions** and actions to dispatch events and store to maintain the state.
- ✓ Worked with Redux tools such as **react-redux**, **react-router-redux**, **redux-thunk**, **redux-logger** and **redux-form**
- ✓ Used third party react components – react-video, react-typeahead, react-tags input, react- data grid, react-calendar, react-tabs and react-autocomplete.
- ✓ Implemented **authentication** and **authorization** mechanisms using **JWT** for secure **user access**
- ✓ Used functional programming – pure functions, immutable objects declarative programming. Used **lodash** and **redux**
- ✓ Used **Mongoose Schema/Model** to create a query, update and delete with **Express.js** controllers

- ✓ Participated in **Agile/Scrum** practices, including **sprint planning**, **code reviews**, and **daily stand-ups** to ensure **continuous delivery**
 - ✓ Used **ZMQ** distributed in-memory Message Queue to connect different Node.js utilities and applications
 - ✓ Worked with **JavaScript** (ES5/ES6/ES7) - closures, hoisting, prototypes, block scoping, rest, spread, destructuring, classes, promises, iterators, generators, async/await, maps and sets
 - ✓ Used **Babel** for transpilation and **Webpack** for bundling, module injection and dependencies. Used **NPM** scripts for building definition
- Environment:** React.js, Redux, React-Router, ES6, ES7, Lodash, Express.js, Node.js, MongoDB, Mongoose, Redis, Webpack, Babel, Git, Jenkins, Google Cloud, HTML5, CSS3, Bootstrap

UnitedHealth Group, Hayward, CA
2021 React Developer

March 2020 – Jun

Description: The Company is the largest, diversified health and well-being company in the US. Fortune 25 Corporation and serves more than 75 million people worldwide. Provides healthcare consulting and specialty services that reach up to 11 million people outside the US. Provides comprehensive commercial health benefits for individuals, small and medium-sized business. It also provides benefits for large national and international companies. Manila operations will help UHG create strategic value in its overall business of healthcare services and serve as a global services and delivery partner.

Responsibilities:

- ✓ Complete exposure with **MERN (MongoDB, Express JS, ReactJS, NodeJS)** full stack programming.
- ✓ Developed **Single Page Applications (SPA)** using React-router, Services, Controllers, Views and Modals
- ✓ Wrote Express.js and used **MongoDB** for persistence and **Redis** for caching.
- ✓ Used **Mongoose** Schema/Model to create query, update, and delete with Express.js controllers.
- ✓ Extensively used Promises and Event Emitter in **Node.js** to avoid callbacks and more readable code.
- ✓ Complemented **Socket.IO** through **ZMQ** for **MongoDB** events for real-time feeds on the front-end.
- ✓ Developed ReactJS services which calls Rest API's using **\$http** and **JSON parse**.
- ✓ Developed the View's using **HTML5** semantic tags and React components
- ✓ Used **SAAS** preprocessor to create importable and reusable style sheets.
- ✓ Used Bootstrap **CSS** Grid System to create responsive layouts, navigation and tables.
- ✓ Extensively worked on various new features of **HTML5 and CSS3**.
- ✓ Performed **UNIT testing using Jasmine, Mocha and Chai**.
- ✓ Used **JIRA** for defect tracking and managing user stories.
- ✓ Experience with **Grunt** to perform **minification**, compilation and linting and **NPM** to maintain package dependencies.

Environment: React.js, Redux, React-Router, JavaScript, Webpack, Babel, Git, Jenkins, HTML5, CSS3, Bootstrap, Jest

Whitebox Learning, Inc. - India
UI Developer

May 2018 – Dec 2019

Description: It is portal application helps recruiters in achieving staffing objectives and evaluating job candidates and the application is built using HTML5, CSS3, JavaScript and Bootstrap.

Responsibilities:

- ✓ Created printable chart reports using **HTML, CSS, and jQuery**, providing visually appealing representations of data for user consumption.
- ✓ Leveraged **jQuery** and jQuery UI components such as **Accordion, Autocomplete, Dialog, Menu, Tabs, and Tooltip** to create engaging and interactive list and detail pages.
- ✓ Implemented all admin pages, enhancing the user interface for seamless navigation.
- ✓ Developed and maintained CSS layouts for **intranet applications**, ensuring compliance with W3C standards and optimizing the overall user experience.
- ✓ Applied extensive knowledge of **CSS**, including **Background, Layouts, Positioning, Text, Border, Margin**,

Padding, Table, Pseudo-classes, Pseudo-elements, and Behaviors.

- ✓ Implemented client-side **form validations** using **JavaScript**, enhancing **data integrity** and user input accuracy.
- ✓ Collaborated with design and product teams to transform mock-ups and **visual wireframes** into **HTML pages**, ensuring alignment with the overall design vision.
- ✓ Conducted rigorous **cross-browser compatibility** testing (IE, Firefox, Google Chrome, Safari, and Opera) to maintain a consistent and **optimal user experience** across various platforms.
- ✓ Integrated each view with the backend using **AJAX** patterns and **jQuery**, optimizing data retrieval and enhancing the application's overall **responsiveness**.

Environment: MySQL, jQuery, CSS, W3C standards, JavaScript, XML, HTML, DOM, DHTML, XHTML, AJAX, JSON, Restful API

Soft Bridge Technologies, India

May 2016 – Apr 2018

UI Developer

Description: It is e-commerce platform, The project involved restructuring the existing UI, implementing interactive features, and resolving cross-browser inconsistencies to provide a seamless shopping experience. The UI of the application built using HTML5, CSS3, AngularJS, JavaScript and Bootstrap.

Responsibilities:

- ✓ Designed the front end applications, user-interactive web pages in a professional manner with using web technologies like **HTML, DHTML, XHTML, XSL, XSLT and CSS**.
- ✓ Developed client side validation code using **JavaScript**.
- ✓ Developed **HTML** interfaces with an understanding of **UI** design principles and object-oriented program development.
- ✓ Participated in many front ends designing issues, provided many creative and efficient ideas and implemented them using **JSP, AJAX and JavaScript**.
- ✓ Developed **HTML, CSS** based page **layouts** using the **prototypes, wireframes** and **images** for vertical **re-design** of the **websites**.
- ✓ Changing the width of the list **items** that resulted in different forms of grids. Also, solved the padding effect differences **among** the various **browsers** i.e. **browser's compatibility**.
- ✓ Worked extensively on the shop **module** with **CSS** issues including the cross-browser issues with **IE** and wrote new functionalities for other pages using JavaScript, **AJAX, HTML** and **CSS**.
- ✓ Used **jQuery core** library functions for logical implementation at the client side for all the applications.
- ✓ Implemented various validation controls for form validation and custom validation controls using Object Oriented **JavaScript**.
- ✓ Used **JSON** objects effectively for efficient client-side coding.
- ✓ Used **AJAX** extensively to implement front end /user interface features in the application.
- ✓ Developed **CSS** page layouts, styles and table less coding for efficient design.
- ✓ Used **CSS** Selectors for condition-based styling and pseudo-classes to add some special effects to selectors.
- ✓ Involved in creating cross-browser compatible and standards-compliant **CSS**-based page layouts.
- ✓ Developed, modified, and implemented the Website to ensure consistency of layout in accordance with client goals.

Environment: HTML, CSS3, JavaScript, CSS, XML, DOM, AJAX, SVN.