




Ray Farooqui

Masters of Science, Information Technology
Front End Developer/Full Stack Developer/Architect

Contact Information

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Objective

Energetic, motivated and innovative programmer with academic and hands on experience in software design and development, currently seeking a full-time opportunity, which will serve as a springboard to move ahead my career.

Summary

- 12+ years of experience in architecting and developing cutting edge web applications.
- Hands on user interface design and development experience with consumer facing single page web applications.
- Strong fundamental working knowledge of JavaScript/TypeScript and its libraries.
- Well versed with client interaction, requirements gathering and translation of requirements into functional design, also responsible for technical design and user documentation.
- Extensive experience playing a role in highly collaborative teams to design RESTful API interfaces.
- Long track record of successfully working in fast paced environments to meet key business deadlines.

Technical Skills:

Angular, Redux, jQuery, AsyncJS, Highcharts, MomentJS, D3JS, React, NextJS, LernaJS, NodeJS, GraphQL, Apollo, webpack, NPM, yarn, PHP, Adobe Analytics, Lodash, Blueprint, Bootstrap, Tailwinds, styled components, Mapbox, Openlayers, Maplibre, i18next, Module Federation, rushjs, Workbox, service workers, indexedDb, Leaflet, Web Sockets, Apache Web Server, etc.

Work Experience

Front End Software Architect – Hitachi Energy – Houston, TX:	August, 2022 – Present
<ul style="list-style-type: none">➤ Led the design and development of common libraries that consist of common components and common services that helped develop applications faster across the company.➤ Architected a frontend deployment architecture using micro-frontends and docker runtime environment variables.➤ Reduced asset loading time across multiple applications by 80% using module federation and webpack optimizations.➤ Led the upgrade of Webpack to v5 across multiple applications and created a migration document which assisted other teams transition to Webpack 5.➤ Led the core UI/UX committee to develop and conceptualize a comprehensive UX/UI strategy for applications across the company.➤ Collaborated with backend engineers to develop backend for frontend architecture thereby optimizing network calls for content delivery.➤ Developed GIS based systems using Mapbox, Open Layers, ArGIS, Open Street Maps, Vector Tiles, GeoJSON, Map workers and Service workers	
Senior User Interface Developer/ UI Architect – ABB – Houston, TX:	June, 2020 – August,2022
<ul style="list-style-type: none">➤ Developed a offline caching mechanism to cater to the offline requirements for applications using service workers and indexedDb.➤ Built a common frontend framework that helped teams to optimize their code by running unit tests, checking for lint errors and checking for security issues by auditing npm libraries which helped developers write more robust code using git hooks.➤ Developed a Request pipeline which runs with every pull request created. This pipeline ensured things such as code lints, 3rd party library vulnerabilities, tests were in place and ran successfully before the feature branch could be merged into the main branch.➤ Co-ordinated UI/UX meetings and communicated updates, bottlenecks and gathered requirements around new common components.➤ Researched various open-source GIS solutions in order to architect an application that required real time rendering of the grid and devices.➤ Coordinated lunch and learn sessions regularly to help improve the technical knowledge around the team.➤ Added internationalization support and support for right text languages across the applications using i18next.➤ Implemented storybook to document & catalog the React UI Component Library.➤ Developed consumable API libraries using PHP and Python	

Software Developer/ UI Architect – TripAdvisor – Ewing, NJ:	June, 2017 – May, 2020
<ul style="list-style-type: none"> ➤ Helped lead the migration of the website from a PHP based framework to a modern React, NextJS, Apollo, GraphQL stack that consisted of reusable components and microservices. ➤ Guided lunch and learn sessions that focused on improving team skills. ➤ Collaborated with product managers, designers and other stakeholders to implement optimum user interface and user experience that improved the website’s usability and accessibility. ➤ Led the optimization of JavaScript, CSS and image assets to decrease overall page load times by an average of 2 seconds. ➤ Created visually appealing pixel perfect designs that met functional requirements. ➤ Collaborated with designers contributing my web expertise knowledge around usability standards and industry best practices. ➤ Researched modern web design patterns in order to quickly solve business initiatives. ➤ Ensured comprehensive test coverage and documentation on all code in order to maximize product quality and scalability. 	
Sr. Software Developer/ UI UX Architect – Choicestream – Boston, MA:	October, 2014 – May, 2017
<ul style="list-style-type: none"> ➤ Designed and developed multiple applications using an Angular/TypeScript front end, backed by Python/Django, Postgres and Redis. ➤ Produced a variety of interfaces and splash screens for single page applications using HTML5, CSS3, AngularJS, RequireJS, etc. ➤ Designed easy to understand charts based of complex researched data using the D3.js library. ➤ Produced personas, heuristics analysis and iterative design modifications based off of user experience testing. ➤ Set time estimate expectation with stakeholders for all approved prototypes. 	
Software Developer – BuysideFX – Boston, MA:	February, 2014 – September, 2014
<ul style="list-style-type: none"> ➤ Worked closely with the CTO, Product Manager, Head of product and other developers to develop applications using HTML5, BackboneJS, Ruby on Rails, etc. to create a currency exchange platform for traders. 	
Web Developer – University of North Carolina at Charlotte – Charlotte, NC:	December, 2012 – December, 2013
<ul style="list-style-type: none"> ➤ Met regularly with the Executive Director, Security Director, Communications Manager and other members of the Development Team to create detailed specification documents with clear project deliverables and timelines. ➤ Developed Drupal based applications and maintained them 	
Software Developer – Softaculous Ltd – Mumbai, India:	August, 2010 – August, 2012
<ul style="list-style-type: none"> ➤ Designed and developed in-house company website as well as websites for all business clients. 	

Educational Background

University of North Carolina at Charlotte Master of Science, Information Technology	August, 2012 – December, 2013 GPA: 3.7 / 4.0
Mumbai University Bachelor of Engineering, Electronics Engineering	July, 2007 – June, 2011 GPA: 3.5 / 4.0

Leadership

- Headed the team and took the responsibility of building a set of requirements.
- Led UX/UI collaboration between engineers and designers.
- Led UI/UX strategy meetings by gathering user requirements and aligning the tactics with core business requirements.
- Researched new UI frameworks and technologies and presented it to teams.
- Managed free-lance projects.
- Volunteered and helped to organize cultural events as a member of the Student Council at Mumbai University.
- Conducted computer workshops at computer science dept., Mumbai University.
- Organized Robotics seminars.