

Rohit Tirmanwar

Herndon, VA – 20171, Contact: (571) 338-1143, rohit.tir2@gmail.com

Portfolio: <http://www.rohittir.online> LinkedIn: www.linkedin.com/in/rohit-tirmanwar

SKILLS

- Expert in design and development of web-based software applications with 8.5+ years of industry experience.
- Expert in front-end web development using Angular framework, TypeScript and JavaScript ES6 languages.
- Expert in back-end design and development using Node.js, Express.js, GraphQL and MongoDB.
- Proficient with React and its core libraries including Redux, Hooks, React-intl and routing etc.
- Proficient in responsive styling using CSS, SCSS, grids, media queries, animations and svg images with working knowledge of Angular Material, Bootstrap library and React Semantic-ui.
- Proficient with test driven and behavior driven development, using libraries such as Jasmine, Karma, Protractor, Chai, Jest and Cypress.
- Proficient in front-end design using Angular and its latest features including Angular Elements, lazy loading modules, Tree shaking, ngRx, Rxjs Observables etc.
- Proficient in managing data flow by consuming REST APIs asynchronously using Rxjs Observables, GraphQL and Apollo client with efficient caching mechanism.
- Proficient in designing and developing microservices in Node.js and SQL/NoSQL database like MongoDB.
- Proficient in cross-browser compatibility and building responsive interfaces with mobile-first strategy.
- Working knowledge of NativeScript to build mobile application that shares code with Angular in web.
- Proficient in AWS cloud that includes S3, EC2, DynamoDB, API Gateway, Lambda, CloudFront etc.
- Working knowledge of Dockers and Containers that provide execution environment for web applications.
- Good knowledge of Java and back-end technologies including J2EE, Spring MVC, JPA, Hibernate, Servlets, EJB and JDBC.
- Highly skilled working in agile/sprint settings and leading and contributing to scrum process.
- Expert using JIRA for project management, and Git and SVN for source code management.
- Hands on with Webpack and Angular-cli to efficiently lint, test, build, package and deploy the front-end code.
- Hands on with CI/CD pipelines for front-end and back-end including Jenkins and Codefresh.

EXPERIENCE

Hobsons, Inc, Arlington, VA — Senior Software Engineer

July 2019 to present

- Worked closely with the product team, project manager and UX team to design and develop web-based enterprise software products in education space i.e. Naviance and Intersect.
- Worked on design and development of front-end and back-end software components using technologies and frameworks that include React, Redux, ES6, Typescript, Node.js, Express.js, GraphQL, MongoDB, and AWS.
- Developed by test driven and behavior driven development approach using JavaScript testing frameworks and libraries that include Jasmine, Karma, Protractor, Chai and Cypress.
- Designed and implemented back-end services using GraphQL schemas and mutation in Node.js and consumed those in front-end React based components through Apollo client with proper caching in place.
- Implemented React based front-end components using ES6, Semantic-ui and other JavaScript libraries.
- Implemented complex MongoDB queries and algorithms to achieve complex student and college matching requirements.
- Led a technical team of 5 engineers to design and develop a major part of the product to build from scratch.

FOLIO Financial, Inc, McLean, VA — Front End Engineer

July 2018 to July 2019 (1 year)

- Worked closely with the product owner, design team and back-end engineers to design and develop the front-end interface of an online Robo financial investment and brokerage application.
- Designed and developed a white-labeled front-end architecture using Angular 6, that can be highly configured in AWS cloud at runtime for customized styles, content and features.
- Developed a common library in Angular, that captures common business requirements and published to private npm repository, which are imported as a package to use in multiple front-end applications and components.
- Implemented state management using Redux based architecture, that stores all the data (state) at one place and the relevant components can subscribe to the reducer events, to alter their views based on the state.
- Implemented various GraphQL Schemas and Mutations in Node.js framework based on the requirements to consume back-end REST APIs using Apollo client in Angular.
- Improved the old architecture, which resulted in reduction up to 80% of the time spent on adding new features.

George Mason University, Fairfax, VA —Front-End Engineer / GRA under Dr. Mihai Boicu

January 2017 to May 2018 (1.5 years)

- Designed and developed the front-end of a web application that helps collaborating multiple analyst working on analyzing intelligence problems by crowdsourcing.
- Implemented responsive loosely coupled Angular 2.0 modules and components to develop features like online messaging, online training, help tutorials, tree-based argumentation etc. using Typescript and Bootstrap library.
- Improved user experience by developing easy to understand and responsive interface, which reduced 70% of the time for new users to analyze and solve the intelligence problems.
- Led and managed bi-weekly sprint plans and daily standup meetings for a team of 5 people.

General Electric Aviation, Bangalore, India - Lead Engineer

August 2014 to July 2016 (2 Years)

- Worked on a web-based product development using Java to integrate over 200 design tools as part of a single system, for better hand-offs with effective data transfer and communication.
- Implemented front-end interface for the product using JavaScript, jQuery, CSS, SASS and HTML5.
- Led a critical project in alpha stage which was running late for more than 6 months and productionized by utilizing only 50% of the anticipated time, following Agile/sprint process in planning and development.
- Improved performance of a critical parameter computation in a Nacelle design tool by 4 times, using techniques like least square fitting algorithm and parallel computation.

Geometric Limited, Pune, India — Software Engineer

June 2011 to August 2014 (3.2 years)

- Designed and developed the graphical user interface using C++, MFC and QT, to provide the best user experience.
- Developed a critical CAD based geometry feature that resulted increasing the product sales by more than 40%.

EDUCATION

George Mason University, Fairfax, VA — MS in Software Engineering - May 2018 (GPA 3.95)

Government College of Engineering, Amravati, India - Bachelor of Technology - May 2011 (GPA 3.33)