

## PROFESSIONAL EXPERIENCE

- Around **8 years** of experience in **Web Development**, developing **User Interface (UI)** applications and professional web applications using **HTML5, CSS3, JavaScript, ReactJs, Vue.js, Node.js, Next.js, Sprout Core, jQuery, AJAX, JSON** and **XML** with experience in the software development life cycle.
- Experience in developing **Web Applications** using Frontend Engineer using tools like **HTML, CSS3, JavaScript, jQuery**.
- Experience developing **B2B** and **C2C** solutions using **Elastic Path** ecommerce.
- Experience in **Cross-Platform Mobile** Development using **React Native + Typescript** based **mobile app**.
- Extensive experience in designing professional **UI web applications** using front-end technologies like **HTML5, DHTML, CSS3, JavaScript, React JS, React-native, ES5, ES6, .Net MVC**.
- Novice level experience working with **React-native /Redux**.
- Experience in integrating applications on **cloud platforms** like **GCP, Azure & AWS**.
- Hands-on experience in **GraphQL** for data query and manipulation for **APIs**.
- Knowledgeable about Document Object Model (DOM) and DOM Functions along with experience in Object Oriented Programming Concepts, Object Oriented JavaScript and Implementation.
- Collaborate with **UI/UX** designers and have a detail-oriented approach to meet the requirements and match with API designs and responses.
- Develop React UI components based on UI/UX designs developed using Zeplin.
- Experience in working with **React** with **Redux** and **MobX** Stores.
- Worked on **RWD (Responsive Web Design)** and implemented it in both **React/Angular**.
- Solid experience on modern MERN (**MongoDB, Express.js, React, and Node.js**), MEAN (**MongoDB, Express.js, Angular, and Node.js**) Stack API and Node Package Manager (**NPM**) modules.
- Experienced in creating React components using methods such as **States, Lifecycle, Hooks, Router, and Render JSX** and with unidirectional data flow using **Props**.
- Well-versed with **JavaScript** ECMAScript 6 features including Classes, Asynchronous Process, Event handling, Closure, Prototype Inheritance, and DOM Manipulation.
- Proficient in **Single Page Applications** (SPA) development with **React/Angular**.

## Skills and Expertise

**Languages:** JavaScript, Typescript, SQL, Python, J2EE

**Frameworks:** Python, Express.js, AngularJS, ReactJS, Vue.JS, Redux, ES6, NodeJS, MobX

**Web Services:** RESTful Web Services, Micro Services, GraphQL

**IDEs/tools:** Spring Tool Suite, Eclipse, Source Tree, MS Visual Studio, Adobe FLEX

**Web Tools:** HTML 5, CSS3, JavaScript, TypeScript, JSTL, jQuery, Ajax

**Version Control:** GIT, SourceTree

**Database:** PostgreSQL, MySQL Workbench, DynamoDB, MongoDB.

**Cloud Tools:** AWS, GCP

**Documentation Tools:** MS Office, Visio, Confluence, GitLab

**Tools:** SoapUI, Postman, Jira, Confluence, Bamboo, Bitbucket, Rest Client, Splunk, SonarQube, GitLab.

## Licenses & Certifications

- Triplebyte Certified Front-End Engineer – Triplebyte

## Education:

- National University of Computer and Emerging Sciences, Lahore
- Bachelor's Degree, Computer Science 2011 - 2015
- Current CGPA 3.46

## Honors & Awards

**Bronze Medal on 3rd Position in Batch** - FAST-NUCES-Dec 2015

3rd Position in batch in Fall' 2015 semester.

## PROJECTS

**Role: Sr. Software Developer/ Lead – React GenAI**

**Oct 2023 - Feb 2024**

**Client: Intuit (Contract)**

**Location: San Francisco, California, United States · Remote**

**(Worked from San Francisco, California, United States)**

- Develop new web interfaces for Mailchimp Customer Portal
- Integrated ChatGPT with mailchimp's GenAI portal to leverage machine learning and LLM capabilities
- Used **Jenkins** for writing **CI/CD** pipelines
- Added new **GraphQL APIs** using **graphql, typescript, nodejs**
- Leverage **AWS cloud services** for deploying and scaling the web apps
- Used **Next.JS** to build company production websites.
- Designed and developed a full-stack funding website based on **Node.js, ReactJS, Next.JS, Wordpress, PHP** and **Slim Framework**.
- Write server to server **APIs** to connect with Walmarts orchestration layer to the backend electrode clients
- Developed Unit Test and End to End Automation Test Suites
- Maintained and developed web applications using **MERN Stack** (MongoDB, Express.js, React, Node.js) and **NPM** (Node Package Manager) modules.
- Developed **web-based Authentication** and account details page using **React** and **Redux**.

**Skills:** React, hooks, redux, GraphQL, Typescript, Javascript, Jenkins, PostgreSQL, Splunk, AWS, ChatGPT, GenAI

**Role: Sr. Software Developer/ Lead – React Fullstack**

**Nov 2022 - July**

**2023 Client: Walmart (Contract)**

**Location: San Francisco, California, United States · Remote**

**(Worked from San Francisco, California, United States)**

- **Tech led** in the development **Kueski Pay** and **Pay-At-Store** for **Walmarts Mexico store**
- Design the Tech Architecture and Led the Implementation of **Kueski Pay** and **Pay-At-Store Payment Services** for **Walmarts Mexico based Web and Kiosk portal** which contributed about **\$28.2M** to revenue
- Developed **React-based Web interfaces** i.e **Pay at Store** and **Kueski Pay Portal, Barcode Payment, QR Code Payment, Store Selector**
- Added new **GraphQL APIs** to support cart, checkout and store selector operations for [walmart.com.mx](https://walmart.com.mx)
- Used react to build new interfaces, **react hooks** and **redux** to bind data logic to UIs
- Used **Jenkins** for writing **CI/CD** pipelines
- Added new **GraphQL APIs** using **graphql, typescript, nodejs**
- Leverage **AWS cloud services** for deploying and scaling the web apps
- Used **Next.JS** to build company production websites.
- Designed and developed a full-stack funding website based on **Node.js, ReactJS, Next.JS, Wordpress, PHP** and **Slim Framework**.
- Write server to server **APIs** to connect with Walmarts orchestration layer to the backend electrode clients
- Developed Unit Test and End to End Automation Test Suites
- Maintained and developed web applications using **MERN Stack** (MongoDB, Express.js, React, Node.js) and **NPM** (Node Package Manager) modules.

- Developed **web-based Authentication** and account details page using **React** and **Redux**.
- Added new **APIs** to collect user **transaction data** from the **central account service** using **Java/J2EE**.
- Added **CI/CD pipelines** to facilitate easy-release deployments.
- Added **Kafka** Based Analytics service to log user account transaction frequencies for fraud detection.
- Added **hbase scripts** to save and retrieve user account transaction data

**Skills:** React, hooks, redux, GraphQL, Typescript, Javascript, Jenkins, PostgreSQL, Splunk, AWS

**Role: Sr. Frontend Developer (Lead)**

**Feb 2021 - Oct 2022**

**Client: Invitae**

**Location: San Francisco, CA**

**(Worked from San Francisco, CA)**

- **Technical Lead** focused on scaling the Requisition Review process based on Invitae's growth in test volume. The initial effort is primarily workflow and user experience improvements, extracting components from an existing React.js monolith into a shared Typescript/Lerna component library and spinning up nginx driven micro front-ends organized around internal data processing team usage.
- Lead the development for Invitae's Customer Experience Portal to make sure end to end development from requirements to delivery.
- Successful Delivery of New Customer Facing Interfaces for Multiple Programs i.e **Carrier Couples, Product Launch, O2C2, PGX**
- Developing a web application as a **Full Stack Engineer** using latest technologies like **ReactJS, Mobx, Express, NodeJS and SQL DB integrations**.
- Added **ETL** jobs for data extraction using **nodejs**.
- Leverage **GCP** for deployment and product cloud server management.
- Improved in house library of design components for reusability and scale
- Developed **B2C** and **B2B** catalogs using **Elasticpath** to manage invitae's test kit pricing for different vendors
- Used **Next.js** for developing company production webpages showcasing our testing programs
- Designed and developed a full-stack funding website based on **Node.js, ReactJS, Next.JS, Wordpress**.
- Used **Dynatrace** for logging the traffic to our customer facing websites.
- Developed backend **API** using **Python** and **Django**
- Consumed **APIs** utilizing **Python** requests to read numerous **JSON** files and file automatic bugs
- Used **Python** to develop web-based data retrieval systems.
- Developing web applications using **MERN Stack (MongoDB, Express.js, React, Node.js)** and **NPM (Node Package Manager)** modules and using **MOBX** for state management.
- Developing front-end applications using **ReactJS** and building components using **MobX** state management **Hooks** and **Context API**.
- Integrate with backend **NodeJS** components from front-end **ReactJS** services **Restful** Web Services.
- Develop React UI components based on **UI/UX** designs developed using **Zeplin**.
- Debug with **React Developer tools** and **Redux DevTools**.
- Refactored front-end through **Vue.js**, Webpack and ES6 to keep the code modular and loosely coupled.
- Familiarity with the **Vue.js** ecosystem, including **Vue CLI, Vuex, Vue Router, and Nuxt.js**
- Compile and render the system production-level by using **Webpack**.
- Creation of React components using methods such as **States, Lifecycle, Hooks, Router, and Render JSX** with unidirectional flow using **Props**.
- Integrate **NodeJS** backend with **BAT tool, Postgresql** and create mutation and queries that are required for Frontend implementations.

**Senior Frontend Developer**

**Mar 2020 - Feb 2021**

**BluWhale, Inc.**

**Location: San Francisco, CA**

**(Worked from San Francisco, CA)**

- Develop **UI/UX** and **Chart/Data Visualization** Components for **Game Data Analysis**
- Research and Implement modern Prototyping tools i.e Storybook for better Product Design
- Developed new interfaces for **Stripe Payment, Barcode payment** and **QR code payment** for **Bluwhale's android** and **iOS app**.
- Added authentication module using **React native**.

- Added end to end tests and **CI pipelines** for smooth release pipelines.
- **Mentor** Team on Frontend Development Best Practices
- Developing a web application as a Full Stack Engineer using latest technologies like **ReactJS, Express, NodeJS** and **GraphQL** with **SQL DB** integrations.
- Developing web applications using **MERN Stack (MongoDB, Express.js, React, Node.js)** and **NPM (Node Package Manager)** modules.
- Used **Next.js** for developing company production webpages showcasing our testing programs
- Developing front-end applications using **ReactJS** and building components that will help the industrial components to list and look at the properties and availability visually.
- Integrate with backend **NodeJS** components from front-end **ReactJS** services using GraphQL queries.
- Develop React UI components based on **UI/UX** designs developed using **Figma**.
- Debug with **React Developer tools** and **Redux DevTools**.
- Compile and render the system production-level by using **Webpack**.
- Creation of React components using methods such as **States, Lifecycle, Hooks, Router**, and **Render JSX** with unidirectional flow using **Props**.
- Integrate **NodeJS** backend with **MySQL** Workbench and create mutation and queries that are required for Frontend implementations.
- Integrate and Configure applications using **GCP** and schedule jobs based on the application requirements.

### Senior Software Engineer

Jul 2019 - Feb 2020

GoSaaS, Inc.

Location: San Francisco, CA

(Worked Remotely from Lahore, Pakistan)

- Implement **UI/UX** for cross platform Product Editing of simple and complex attributes like tile, description, product variations listings etc.
- Develop Unit and End to End Testing Suit
- Train and **Mentor** Juniors and Team Members on React Best Practices
- Projects: Vela <https://welcome.getvela.com>
- Lead the team for creation of a brand-new website for supporting **IngenioRx** standalone application with all pharmacy features where members can exhibit features like Refills/Auto Enroll/Price a Med and many more based on user eligibility.
- Developed a dynamic web application using **MEAN Stack (MongoDB, Express.js, Angular, Node.js)** and **NPM (Node Package Manager) modules**.
- Created pharmacy supported modules in a new code base separated from actual anthem.com application to host this web application on its own.
- Compile and render the system production-level by using Webpack.
- Worked with **Solution Leads and SOA/Backend Support** teams for API creations/Specifications and published swaggers for the API creations.
- Worked with Digital Project Managers (**DPM**) along with Product Owner (**PO**) in requirement gathering sessions. Also worked with **UX teams** for wireframes that provided the application blueprint about the design of an application.
- Worked with **DevOps** team in creation of application-based builds and bamboo plans for configuring the IRX application features.
- Developed Client-side web pages using **Typescript** and **Angular 7.x version**. Created **Responsive Web Design** pages across all resolutions of a Single Page Application.
- Testing and validating the API's using Postman and also writing test cases using Karma/Jasmine.
- Integrate **UI/UX** designs to develop the web application based on the designs developed by UX designers on **Zeplin**.
- Backend API support creation using **NodeJS** for integrating with **SOA** MicroServices that connect back to backend data systems to get the user information/data.
- Continuous usage of Visual Studio Code for developing Angular Code and using GIT Bash for command-line operations and Commit code using **SourceTree** and Atlassian Tools for builds.
- Integrating with the IRX **version of BitBucket** repositories for committing code changes to support Feature Branches and also for production code migrations for the releases.
- Fully functional application supporting accessibility and also use of **JAWS** to test the application to identify and test to see the developed application is accessibility compliant.
- Worked with the Analytics team on creating and mapping all analytic fields to track and capture feedback from the user end.
- Created **Oracle WebCenter Sites** for both Public and Secure version of IRX application across all environments such as **DEV/UAT/SIT/PERF** and **PRODUCTION**.

- Supported product production live for release in 2020 and also supported in enhancing additional features to support different group member needs that signed up for IRX application.

## Software Engineer

Nov 2017 - Jun 2019

Cloudcade, Inc.

Location: San Francisco, CA

(Worked Remotely from Lahore, Pakistan)

- Developed a wide spectrum of gameplay features and primarily specializing in control and challenge design.
- Developed Responsive Single Page Web Apps
- Developed Admin Game tool backend and front end for Chat Monitoring and Live Ops
- Worked in an Agile environment as the Lead Software Developer for my scrum team for all the initiative and features that are developed to enhance the Anthem Website.
- Involved in various phases of Software Development Life Cycle (SDLC) of the application in SAFe (Scaled Agile Framework) Environment.
- Involved in design discussions and also mentored co-developers on how to implement for the MVP targets.
- Developed RESTful web services with the integration of Spring Boot to support our API tier. Application setup as a hybrid version of API tier, using Java/JDK for certain RESTful API's and also creation of RESTful services using NodeJS integrated with TypeScript.
- Continuous integration with SOA Microservices to consume the Microservice data using Spring RESTful API using APIGEE layer in our backend tier.
- Created pharmacy supported modules for supporting new pharmacy migration from ESI to IngenioRX application integrating with application based Restful web services to consume SOA micro services using APIGEE layer and connect to CVS backend to get all claims/pharmacy details of a logged in member.
- Developed Client-side web pages using Typescript and Angular 5.x version. Creating responsive web design patterns across all resolutions of a Single Page Application.
- Testing and validating the API's using Postman and also writing test cases using Junit/Mockito for the Java tier and using Karma/Jasmine for Angular test cases.
- Continuous usage of Visual Studio Code for developing Angular Code and using GIT Bash for command-line operations and Commit code using SourceTree and Atlassian Tools for builds.
- Worked on ModHeaders, Postman and Advanced Rest Client for testing web service by passing REST requests to web service providers.
- Integrating with Bamboo and uDeploy automated build scripts to compile and packaging the application.
- Use of Jira for bug tracking and project management.
- Integrating with BitBucket for committing code changes to support Feature Branches and also for production code migrations for the releases.
- Use of JAWS to test the application to identify and test to see the developed application is an accessibility complaint.
- Lead the team for migration of IngenioRx into Anthem owned applications for millions of users that are eligible to have this experience and supported all release support. Also been part of WAR rooms for customer issues and supported thru the warranty phase and lead calls during production support which included code fixes and quick turnarounds for all interim solutions and implementing long-term solutions as well.
- Created Bamboo plans specifically for supporting IngenioRx modules in our application.
- Creation of Oracle WebCenter Sites (WCS) for pharmacy modules matching with the UX layouts provided by the UX designers.
- Worked with the Analytics team on creating and mapping all analytic fields to track and capture feedback from the user end.
- Rebasing the code from Angular 1.5x to 2.0 using TypeScript.
- Updating code base to use TypeScript over JavaScript.
- Developed application on Maven Projects using Springs 4.x and Angular 2.0 framework.
- Implemented Service Oriented Architecture (SOA) by developing REST Web Services using Endpoint's.
- Continuous usage of Visual Studio Code for developing Angular Code and using GIT Bash for command-line operations and Commit code using SourceTree and Atlassian Tools for builds.
- Extensive use of Splunk and updating code base to use JPA Architecture instead of the old RIT Architecture of connecting to Database.
- Worked on creating the application for supporting Anthem Application for Visual IVR feature which enables users to use Visual IVR option when contacting customer support and also provides more enhanced features on mobile which reduces the overhead of using web application and waiting to connect to customer support representative on call.
- Created Claims, BillPay, Contact Us, Pharmacy, Benefits, and all other application features for the member.
- Supported thru the production and migration of the feature for production and also worked with external teams to support IVR feature.
- Created WCS templates that can render for VIVR applications that can support mobile versions of a web application.

**Software Developer****Jun 2016 - Oct 2017****Fizz.io****Location: Lahore, Pakistan**

- Developed Responsive Single Page Web Apps and Dashboard Portals
- Developed Rendering Engine for Bundling React Site From JS and Markdown Source Files
- Involved in various phases of Software Development Life Cycle (SDLC) of the application like Requirement gathering, Design, Analysis and Code development.
- Developed application on Maven Projects using Springs 4.x and AngularJS 1.5x framework.
- Implemented Service Oriented Architecture (SOA) by developing REST Web Services using Endpoint's.
- Used JDBC connections to fetch the data from the database.
- Developed JSP's with Java Server Pages Standard Tag Library for control of the business processes in the middle-tier and was involved in their integration.
- Implemented Java/J2EE Design patterns like Singleton, Data Access Object (DAO) and Data Transfer Object (DTO).
- Used Log4j and Splunk for logging and debugging.
- Used GIT as the version control.
- Worked on SOAP-UI tool, ModHeaders, Postman, Advanced Rest Client for testing web service by passing REST requests to web service providers.
- Used SoapUI for load testing.
- Written JUnit Test cases for performing unit testing using Mockito.
- Used Bamboo and uDeploy automated build scripts to compile and packaging the application.
- Used IBM Websphere application server for deploying the project.
- Used Jira for bug tracking and project management.
- Used Stash and Bitbucket for committing code changing to support Feature Branches.
- Used Visual Studio Code for developing AngularJS Code and used GIT Bash for command-line operations and Commit code using SourceTree an Atlassian Product.

**Microsoft Innovation Center****Feb 2015 - Jun 2015****Role: Software****Engineer Location:****Seattle, WA**

- Windows 8.1/ Windows Phone 8 App Development
- .Net MVC Web App Development.
- Responsible for Design and development of Web pages using HTML, CSS including AJAX controls and XML.
- Developed UI using HTML, CSS, JavaScript validations and XML.
- Co-ordinated with BA group for better understanding of functional requirements analyzed and designed the business requirements to be documented and implemented.
- Design and Implemented RESTful APIs Using .Net Core, Entity Framework and ASP.net applications
- Used MySQL, MSSQL for data storage and ETL endpoints
- Worked on creating business and enterprise services software
- Understanding of .NET and its core principles
- Created new Web Interface using Strong proficiency in JavaScript / ES6, including DOM manipulation and the JavaScript object model
- Implemented applications in JavaScript, and MySQL.
- Created various web page layouts using HTML and CSS.
- Designed, developed, and updated User Interface Web Forms using CSS, Dreamweaver, and JavaScript.
- Validated input values to make sure that they will be accepted before they are submitted to the server.
- Responsible for developing, editing, publishing, and managing content on the external Web pages and internal layouts.
- Used Cascading Style Sheet (CSS) in web pages to separate presentation from structure
- Defined text alignment, size, borders, and many other typographic characteristics.
- Used JavaScript to make dropdown menus on web pages and displayed part of a web page upon user request.