

UMER HASSAN

Software Engineer / Front-End Engineer

DETAILS

ADDRESS

Houston, TX

PHONE

(240) 473-2911

EMAIL

umerhassan94@gmail.com

LINKS

[LinkedIn](#)

[GitHub](#)

[StackOverflow](#)

LANGUAGES, FRAMEWORKS, LIBRARIES & TOOLING

React / Redux

Vue / Vuex

AngularJS

JavaScript / ES6

TypeScript

GraphQL

Node.js | Express.js

D3.js / Nvd3

Webpack, Vite & Parcel

Next.js | Remix.js

PROFILE

A creative thinker, adept in software development and well versed in working with various web, mobile & back-end technologies following the modern patterns and tooling.

Experienced in gathering requirements & working with the design + product teams, conducting the code reviews and working in agile environments. Quick learner & adopter of new technologies on the go.

Early adopter of AI-driven tools like Cursor, Claude, and Ollama, using them to automate routine tasks, increase DX - enabling faster delivery of scalable, production-grade solutions.

INTERESTS

Keen front-end development with SPA frameworks like React, Next, Vue, Solid, and Svelte, I'd love to work with SSR/SSG frameworks such as Next, Nuxt, Remix, and SvelteKit.

My styling choices include styled-components, shadcn, Tailwind or SASS / LESS and state management using Redux, Zustand & Vuex.

I prefer Vite or Turbopack for personal projects, Parcel for smaller ventures, and have experience with Webpack in professional settings.

I am eager to expand my knowledge in AI, ML and Data Science through my roles.

WORK EXPERIENCE

Senior Software Engineer, hims & hers

San Francisco -
Remote

Jan 2024 — Present

Worked on organic growth products to increase customer conversion & organic revenue, joined on content platform team to enable self serve components transformation to enable content creators using micro front-ends.

Joined finance team to implement "buy now pay later" experience, working with various payment providers & leading the technical efforts behind the launch.

- Developed and maintained organic growth products to drive revenue increase.

Git / SourceTree

SASS / Tailwind / LESS

Playwright / Cypress

Jasmine / Jest / Mocha

Css-in-JS | Emotion

styled-components

Circle CI / Travis CI

Datadog / CloudWatch

RTK Query / React-Query

Figma / Invision

HTML & CSS

AWS

jQuery

Bootstrap / Bulma

Docker

Python, Java, Erlang

npm / yarn / pnpm

Sentry / Rollbar

gulp / grunt

Ionic / Capacitor

MVC / MVM / FLUX / REDUX

REST APIs

React Native

Jira / Trello

MongoDB / DynamoDB

Phonegap / Cordova

AWS CodeBuild

AWS CodePipeline

AWS CodeDeploy

AWS S3

AWS Lambda

Vue & React routers

Axios

Recoil / Mobx

React Context

Redux Thunk

GitHub / GitLab / Bitbucket

- Transitioned to content platform team to enable self-serve components transformation.
- Implemented micro front-ends architecture to empower content creators.
- Built scalable and reusable components for content management platform.
- Collaborated with cross-functional teams to deliver high-impact features.
- Integrated lenders and payment solutions like Stripe & Klarna.

Tech Stack: React, NextJS, Micro Frontends, TypeScript, Node.js, Content Management, Cursor AI, Claude Code, MCP Servers, GraphQL, NX, styled-components, Tailwind

Senior Software Engineer, Entertainment Partners

Remote

Sep 2023 — Dec 2023

I worked on a film and movie budgeting software used in the Hollywood called Movie Magic Budgeting. It is used by the big studios like Warner Bros., Apple, Disney etc. for planning and budgeting the movies & video productions.

- Developed desktop based ReactJS Application implemented using Electron to distribute on Windows & Mac
- Implemented front-end UX and features similar to MS Excel or Google Sheets such as:
 - Marquee Selection of multiple rows and columns
 - Drag-n-Drop copy/paste of marquee selection in a Grid similar to excel
 - Implementation of calculations / special formulas across the Grid
 - Budget import & export functionalities, adding compatibility for legacy versions.
- Connecting the React components to the OS level components, e.g. OS file save and open dialogs, prompts for unsaved changes before app closing or crash.
- Worked on the file system to save cloud and local files and implemented functionality around saved vs unsaved files.
- Keyboard navigation across multiple layers of accounts & details - think of it as if each column in MS Excel or Google Sheets led to another level of sheet.
- Redesigned the app's main Ribbon menu including the new styles, added the new functionality as well as the restructure of OS level menu and sub-menus.
- Worked on resolving lots of bugs across the application e.g. Issues with context menu components across grids / sheets, different keyboard shortcut behaviours, feedback to user for corrupted budgets on disk etc.

Tech Stack: React, Node, CSS, Webpack, TypeScript, Electron, Yarn, Jest, Babel, ESLint

Senior Software Engineer, eBay

San Jose / Remote

Oct 2022 — Sep 2023

As part of the Self-Servicing team, I develop Front-End apps for customers dealing with things like returns, shipping, tracking, selling etc. including AI/ML-driven chatbots, live agent chat experiences & help hub related app experiences.

I contributed to the DSA (*Digital Services Act*) initiative, engineering a

GitHub actions

Jenkins

Solid.js

Svelte.js

Slack / Teams / Mattermost

git bash

VS Code

Jetbrains Webstorm

jQuery UI

jQuery Mobile

MacOS

iOS

scalable React app for integration into eBay.com that will be surfaced to millions of users daily across all eBay pages including seller experiences, enhancing user experience and site-wide consistency.

- Implemented robust SSR/SSG-based pages for DSA appeals application, ensuring optimal performance and scalability
- Designed and developed Node.js API endpoints and middleware for efficient API calls and structured front-end API responses, improving data handling
- Led and mentored a team of three Front-End Engineers throughout the development process, fostering skill development and team synergy
- Efficiently managed agile scrum activities such as feature scoping, sprint planning, and daily stand-ups, ensuring timely project progression and optimal communication
- Collaborated with cross-functional teams, including product, design, content, platform, and legal stakeholders, to comprehensively gather requirements

Tech Stack: React, Node, Express, Storybook, LESS, Webpack

Senior Software Engineer, Rivian

Palo Alto / Remote

Jun 2021 — Oct 2022

As part of the "Transaction To Delivery" team at Rivian, I contributed to the customer journey through developing T2D app for new vehicle purchases, handling vehicle registration, trade-in, financing, insurance, contracts, documents, payments, and delivery scheduling. I was specifically assigned to the insurance squad, collaborating extensively with cross-functional teams.

- Designed and developed a Single Page Application (SPA) for "Homeowner's Insurance" using React and Redux, enhancing user experience and functionality
- Created modular, reusable components to streamline and improve the existing "Auto Insurance" product
- Collaborated on end-to-end integration testing across multiple squads, utilizing the Playwright framework to automate processes and ensure product reliability
- Crafted automation scripts to optimize daily development tasks, increasing efficiency and productivity for the engineering team
- Actively on-boarded and mentored new team members, accelerating their familiarity with development processes and fostering a collaborative work environment

Tech Stack: React / Redux, TypeScript, GraphQL, styled-components, Java, AWS, Terraform, Storybook, Lerna, Material UI, Node.js, Redux Thunk

Software Engineer, Bank Of America

Charlotte, NC / Remote

Sep 2018 — Jun 2021

I worked with the "Online Banking", the team behind bankofamerica.com that handles the development of "Transfers & Payments" which includes projects like Zelle, Bill Pay, Mortgage Payments, Credit Cards Offers & Me-To-Me Transfers.

- Successfully migrated apps from legacy frameworks to Vue.js, transitioning from MVC architecture to Flux for improved maintainability and scalability
- Developed a reusable Vue component library, published via npm,

and utilized organization-wide, streamlining UI consistency and development efficiency

- Actively participated in screening and interviewing Front-End candidates, contributing to the growth of diverse, skilled teams across the organization
- Led both on-shore and off-shore front-end engineering teams for multiple projects, ensuring effective collaboration and project success
- Established development standards incorporating JSDocs, Airbnb Styleguide, and Gitflow workflow across teams, promoting code quality, readability, and consistency

Tech Stack: Vue / Vuex, React, JavaScript / ES6 , axios, SASS, Java, Spring

Software Engineer, The Washington Post Washington, D.C

May 2016 — Sep 2018

I worked on Jeff Bezos' project at The Washington Post known as Arc Publishing, I specifically worked on one of the software suite called Websked (<http://www.arcpublishing.com/products/>). I worked on Data visualization components mainly for the newsroom using D3 in AngularJS.

- Spearheaded the migration from Nvd3 to D3.js, leading overall development of visually engaging charts and visualizations, enhancing data representation and analysis
- Crafted intuitive Single Page Application (SPA) user interfaces using Angular.js, optimizing user experience and navigation
- Successfully migrated an app from AngularJS to ReactJS partially, leveraging AWS S3 Buckets to combine separate apps for seamless integration
- Established CI/CD processes on CircleCI, later transitioning to AWS CodeBuild and CodePipeline, streamlining development and deployment workflows
- Configured and implemented Sentry platform for comprehensive front-end error monitoring and logging, ensuring robust application performance and reliability

Tech Stack: AngularJS, React / Redux, D3.js, Node / Express, Nvd3, AWS S3, AWS CodeBuild / CodeDeploy, Webpack, gulp, Jasmine

Software Developer, PiLabs / RemoteInterview.io

As part of the team that created one of the very first online coding interview platforms, I worked on various projects including some freelance projects.

- Designed and implemented a real-time chat application utilizing Flux architecture, ReactJS, and Socket.io, deployed on Heroku and MongoLabs
- Developed a robust blogging platform utilizing the MEAN stack, facilitating content creation and management for users in an intuitive interface
- Engineered a Gmail-like email system with MEAN stack, providing users with a familiar, efficient, and user-friendly email management experience

Tech Stack: MEAN & MERN stack, Express, Passport.js, Mongoose, MongoDB, SASS

Developer, PanaCloud

Karachi, PK

2013

- iOS/iPhone development using the Swift programming language, delivering high-quality, responsive mobile applications for Apple devices
- Web development and cross-platform Android development utilizing Apache Cordova for non-native app creation, ensuring seamless user experiences across devices

Web Developer, Fiverr / Freelancer

Remote

2012

As a freelancer at Fiverr I dealt with 50+ web projects. I have been ranked in top 4 providers in web development & JavaScript category.

- HTML5, CSS & JavaScript/jQuery based projects.
- <https://www.fiverr.com/modojodo>

CERTIFICATIONS

HTML5, Mobile & Cloud Computing

Sir Syed University
Of Engineering
& Technology,
Karachi

2013

AWARDS

eCompetencia Speed Programming (3rd position)

Iqra University,
Karachi

2013

Engineering Innovation Award

The Washington
Post

2018

Mountain Mover Award

Bank Of America

2020

EXTRA-CURRICULAR ACTIVITIES

HackerRank / SPOJ / TopCoder / CodeChef / Project Euler - I solve & practice problems over these platforms to improve my Data Structures & Algorithms Knowledge.

Quora / Medium / Hacker News / StackOverflow / Product Hunt - Regular reader/visitor and minor contributor there.

EDUCATION

BS (CS), Iqra University
2012 — 2015

Karachi, PK