# Ali Unwala

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## EXECUTIVE SUMMARY

Full Stack Developer with 7 years of expertise in designing and developing user-friendly, accessible, responsive web applications. Skilled in modern frameworks like React with an emphasis on performance optimization and seamless user experiences. With work published in various newspapers, showcasing a keen eye for design and innovation.

## WORK EXPERIENCE

**Health Startup:** Senior Full Stack Software Engineer                                                        2023 - 2024
- Architected a new React website with authentication and user management for customers to book and schedule appointments.
- Technology: React, CSS, HTML, VSCode, Typescript, Node.js, Docker, React Hook Form, Zod, js-cookie, TanStack Query, React Query, Zustand, Express.js, Passport.js

**IBM Design:** Senior Full Stack Software Engineer                                                              2020 - 2023
- Contributed to core development of open source tools that provide millions of users a way to debug the accessibility of their website.
- Direct impacts of my work led to 23% improvement in accessibility compliance year over year. Leading to 100's of millions in captured revenue by IBM products yearly.
- ibm.com/able:  Implemented over 90% of the sites frontend using React deployed with Docker.
- IBM Equal Access Accessibility Checker: Planned and created a dynamically drawing tool to visualize highlighted bugs on a webpage.
- Technology: React, Javascript, CSS, HTML, JSX, VSCode, Typescript, Node.js, Docker, Gatsby, and CouchDB, axios

**IBM Research:** Senior Full Stack Software Engineer                                                            2018 - 2020
- Designed and developed an web event driven architecture to check the accessibility on web pages.
- Technology: Javascript, CSS, HTML, VSCode, and Node.js

**IBM Watson:** Cognitive Robotics Technical Lead                                                               2015 - 2018
- Led a team of 20 people all working toward building cognitive AI embodiments.
- Consulted and brainstormed with C-suites and VPs at over 10 Fortune 500 companies to explore strategic ways to add Watson AI and robotics into their products.
- Robotic Concierge: Conceptualized, implemented, and deployed a robotic concierge to help Hilton customers navigate the hotel and the surrounding area using natural language.
- Chef Watson Robot: Connected IBM Watson's Cooking AI to create an active kitchen assistant that explores ingredients with a cook creating dynamically generated recipes for them to cook.
- Technology: REST, Python, Matlab, Vim, Unix/Linux, CouchDB, ROS, PCL, OpenCV, Watson AI APIs, NAO Robot, Pepper Robot

**University of Texas at Austin:** Teaching Assistant: CS 378 Autonomous Intelligent Robotics      2014 - 2014
- Technology: Python, MATLAB, Vim, Unix/Linux, Robotics Operating System (ROS), Point Cloud Library, Open Computer Vision (OpenCV), Segbot Robot

**Intel: Graduate** Technical Intern                                                                             2011 - 2014
- Technology: Java, C++, Assembly, C, Vim, Unix, TCL, Verilog, Perl, VHDL

## MEDIA & PUBLICATIONS

- **Articles featuring my work:** Forbes, Washington Post, Fortune, Fox News, Los Angeles Times, USA Today, Time, The New Yorker, The Guardian, Information Week, Business Insider, Newsweek, The Verge, Ars Technica, bon appetit, InfoQ, betanews, linux.com, ZDNET, VentureBeat, CSUN, and additional publications
- Automating Keyboard Testing Using Visualizations, CSUN Assistive Web Technology Conference
- Accessibility Checker Open-Sourced and Redesigned, CSUN Assistive Web Technology Conference

## AWARDS

- Eagle Scout - Boy Scouts of America
- 1st Place, University of Texas Senior Design Project
- 1st place, University of Texas 445L Embedded Design
- University Honors - University of Texas at Austin

## EDUCATION

**The University of Texas at Austin:** Master of Science                                                         2014
   Electrical and Computer Engineering, Research Focus: Robotics and Artificial Intelligence, GPA 3.8

**The University of Texas at Austin:** Bachelor of Science                                                       2012
   Electrical and Computer Engineering, GPA 3.67