

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 445L Embedded Design
- 1st Place, University of Texas Senior Design Project
- 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