

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 a strong focus 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

- Designed and implemented a 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 website frontend of 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

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

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