Karl Brown

http://thekarlbrown.com | Vienna, VA 22180 | karlbrownthinks@gmail.com | 703.909.7774

Seasoned Senior Front End Developer and Team Lead specializing in NextJS, React, and Angular. Skilled at driving team performance, enhancing developer workflows, and delivering scalable, user-focused web applications.

SKILLS

Front-End Development
Angular 2-19 • React • NextJS • TypeScript • JS • RxJS • Redux/NgRx • GraphQL • REST
Testing and Debugging
Karma/Jasmine • Cypress • Jest
Backend and Deployment
NodeJS • Python • SQL • MongoDB • Bash • AWS • Terraform • Github Actions
Styling and Design
CSS/SCSS/SASS • Figma
Additional Proficiencies
Leadership • Git • Jira • Agile methodologies • Linux

LINKS

LinkedIn linkedin.com/in/thekbrown
Github github.com/thekarlbrown

EDUCATION

CHRISTOPHER NEWPORT UNIVERSITY
BS in Computer Science
Minor in Philosophy/Religious Studies
August 2015 | Newport News,VA
GPA: 3.45

LANGLEY HIGH SCHOOL
AP Computer Science/Statistics
May 2010 | McLean, VA

POST-GRAD EDUCATION

UDEMY COURSES
Angular 7 Comprehensive
AWS CSA-A Certificate
RxJS 6 in practice
NgRx - The Complete Guide

GENERAL ASSEMBLY
Data Science

AWARDS
2015
1st - Undergrad Capstone Software Faire

EXPERIENCE

RESMED | Senior Front End Developer
April 2022 - Present | Remote

- Served as a Team Lead, created documentation and architectural/flow diagrams, coordinated stakeholders/team members/outside companies, made scalable architectural decisions and implemented them into a NextJS app
- Primary code contributor to myAir Web (Angular 16 app with 500k monthly active users) co-authored a white paper on it, maintained, developed, and deployed it.
- Ambassador for AI tools that increased developer productivity in my org through presentations, 1 on 1's, and an AI contest I organized
- Served as a mentor for numerous individuals
- Spearheaded the Patient Therapy Preparation Pilot, making architectural decisions regarding AWS, Terraform, and React implementation
- Selected for VentureThon, a 15 week Shark Tank-esque exercise where teams pitch new products to executive leadership (less than 1% of ResMed employees are selected for this program annually)
- Automated deployment processes by creating a GitHub Actions CI/CD pipeline, enabling seamless push-button deployment across development, QA, and production environments.
- Singlehandedly built an Angular 15 internal A/B testing app from scratch
- Recruiter of new talent; referred two candidates who received offers

I360 | Front-End Developer
August 2021 - April 2022 | Arlington, VA

- Reverse-engineered a legacy Predictive Dialer then singlehandedly rewrote the entire Front End in an Angular 11 micro-frontend architecture
- Worked seamlessly across 3 separate teams and provided feedback in Angular Code Reviews

EXOSTAR | Front End Developer
July 2019 - July 2021 | Herndon, VA

- Utilized Angular CLI build tools to perform performance optimization to shrink compressed build payload by 22%
- Insured Angular Web Applications compatibility with all major browsers (including IE 11) and Android/iOS
- Increased Karma/Jasmine Unit Test coverage in IAM Web Application by 34%
- Built out Angular component library
- Utilized the state management library NgRx (Redux) in a complex SPA

EXPOVISION | Web Developer
February 2018 – June 2019 | Falls Church, VA

- Wrote ASP.NET MVC 5 C# controller endpoints and wired them to Angular 6 components and services

DDC PUBLIC AFFAIRS | Software Engineer
August 2015 – February 2018 | Washington, D.C.

- Developed Angular2/4 Frontend for numerous Web Applications.
- Trained intern in Unit Testing C# API Services using XUnit and Moq
- Created Salesforce Integration using Fuel SDK for Boeing and implemented Load Balancing and Multithreading with coworkers