

# Karl Brown

<http://thekarlbrown.com> | Falls Church, VA 22043

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Full Stack Web Application Developer with 6 years of experience  
seeking position involving modern Web Applications.

## SKILLS

### PROGRAMMING

Core Skillset:

HTML • Git • Angular 2-11 • TypeScript •  
JS • CSS/SCSS/SASS • Karma/Jasmine •  
RxJS • Redux/NgRx • Angular Material •  
Flex Layout

Proficient At:

C# • SQL Server • ASP.NET • Bootstrap •  
Linux • SSRS • Photoshop • AWS • TFS

Familiar With:

Jenkins • Ajax • Java • JQuery • Python

## LINKS

LinkedIn [linkedin.com/in/thekbrown](https://www.linkedin.com/in/thekbrown)

Github [github.com/thekarlbrown](https://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

### EXOSTAR | FRONT END DEVELOPER

July 2019 - Present | Herndon, VA

- Solved problems asynchronously using Angular, Typescript, Observables, RxJS, and NgRx (Redux)
- Collaborated with UI/UX team to better design features and flows that were responsive, consistent, and provided the optimal user experience
- Implemented features and flows in multiple Angular 8-11 Web Applications
- Utilized Angular CLI build tools to identify a problematic NPM package which upon removal would 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%

### EXPOVISION | WEB DEVELOPER

February 2018 – June 2019 | Falls Church, VA

- Architected features that utilized ASP.NET MVC 5 C# and Angular6 starting at UML diagrams and whiteboarding and finishing with writing and testing code going through the full Software Development Lifecycle, including a email control component and template service which featured SSRS
- Wrote numerous reusable Angular components such as file upload boxes and form wizards
- Wrote ASP.NET MVC 5 C# controller endpoints and wired them to Angular6 components and services
- Filled numerous roles including Architect, Developer, QA and PM while undergoing the Software Development Lifecycle
- Converted reservation PDFs into responsive CSS3 forms to enable mobile-friendly form submission
- Created SSRS Reports to help visualize various data in the business related to Convention Housing and Sales
- Helped perform a migration from Angular4 to Angular6

### DDC PUBLIC AFFAIRS | SOFTWARE ENGINEER

August 2015 – February 2018 | Washington, DC

- Developed Angular2/4 Frontend for numerous Web Applications including a Leaflet-based Map Tool and wrote Angular2/4 services and components
- Developed C# API services and applications using .Net Framework, Entity Framework, Stored Procedures, ASP.NET Core, Nuget Package Manager and Jenkins
- Trained intern in Unit Testing C# API Services using XUnit and Moq
- Learned about Software Development lifecycle in the Agile methodology
- Created Salesforce Integration using Fuel SDK for Boeing and with coworkers implemented Load Balancing and Multithreading
- Hardened products based on security scans to protect against XSS, CSRF, and other vulnerabilities
- Expanded Wordpress PHP codebase including an implementation of SAML SSO utilizing C# API's