

Brok Stafford

<https://github.com/BrokanXYZ> <https://brokan.xyz>

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EDUCATION

University of Arkansas, Fayetteville — May 2018

- Bachelor of Science in Computer Science
- Graduated magna cum laude with honors, GPA: 3.85

WORK EXPERIENCE

Boeing — Seattle, WA

Full Stack Developer, January 2019 - Present

- Working on Boeing's poster-child Extreme Programming product team
- Maintaining a CICD pipeline with Jenkins that deploys to Cloud Foundry
- Fixing security vulnerabilities found by static code analysis tool
- Practicing Test Driven Development and paired programming daily
- Leading a company-wide initiative for dedicated daily learning time

Green Mountain Technology — Memphis, TN

Software Developer Intern, May 2017 - August 2017

- Developed C# and Microsoft's microservice platform, Service Fabric
- Created a proof of concept and presented my work to the CEO and several IT teams
- Migrated their first monolithic application to the Service Fabric platform

Windstream — Little Rock, AR

Network Security Intern, May 2016 - August 2016

- User administration for network elements (Cisco and Juniper) across multiple companies and networks
- Researched IP/MAC addresses providing requested data to state and national agencies

PROJECTS

Visualizing Network Traffic in 3D — Honors Thesis

I created a tool hosted on a Node.js web server that visualizes network traffic in 3D using the BabylonJS framework. I presented this project at the 2018 SEC Cyber Security Conference at the University of Auburn.

Earthsense — Capstone Project

An IoT project aimed at developing and installing air quality sensors around Fayetteville, AR. I designed and created the Cassandra database, developed a RESTful web service with Spring Boot, and developed a TCP server in Python for hardware to server communication.

Languages

Java
C++
C#
Python
Javascript
Typescript
PHP
Bash

Frameworks

Node.js
ReactJS
Spring
ASP.NET MVC
ASP.NET Core
Entity Framework

Databases

SQL Server
PostgreSQL
MongoDB
Cassandra

Other Tools

AWS
Azure
Kubernetes
Docker
Jenkins
TFS
Git
Coverity
Jira