Bailey Johnson

Full-Stack Software Engineer

baileyjohnson.io

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Skills

Languages		Frameworks, Libraries & Technologies		
- TypeScript	- Python	- Node.js (+ Express)	- Flask	- ASP.NET
- Java	- C#	- React (+ Jest)	- GraphQL	- Redis
- C/C++	- VB	- SQL (Postgres, Server)	- MongoDB	- Docker
- HTML5	- CSS3	- DigitalOcean	- Netlify, Heroku	- Jenkins

Experience

NASA / KBR, Inc. (Houston, TX)   June 2020 - **Present**
Software Engineer

- Developed a bulk editing tool for a property management web application in ASP.NET 3.5 with C# (vanilla JS & jQuery on the frontend), completely eliminating the manual submission/change process for our property database.
- Communicated with stakeholders to develop features and resolve issues for user stories in session-management web services (Java & C/C++). Fulfilled all unit testing requirements.

WetStone Technologies (Myrtle Beach, SC)   November 2018 - April 2020
Python Developer & Malware Analyst Intern

- Developed back-end automation scripts using Python (Selenium, BeautifulSoup) for the collection and analysis of indicators-of-compromise (IOCs), improving detection rates in the company's digital forensics tools and reducing manual processing time by appx. 75%.
- Implemented changes to an internal Flask API and it's front-end dashboard (vanilla JS + Bootstrap) that rendered near real-time IOC collection statistics.

DNS Filter (Myrtle Beach, SC)   October 2016 - April 2017
High-School Software Development Intern

Projects (Actively Developed)

mapqueue.io

A tool for easily creating & sharing queues of beatmaps for the online rhythm game "osu!". Pairs with **mapqueue-bot** (view on Github).

Tools: React, Node.js, GraphQL, PostgreSQL, Netlify, DigitalOcean

ornithology.io

A multiplayer game inspired by the tabletop game "Wingspan". Features (near) real-time interactions via WebSockets.

Tools: React, Node.js, Express, Socket.io, Redis, MongoDB, Netlify, DigitalOcean

Education

Coastal Carolina University (Conway, SC)   August 2017 - May 2020
B.S. in Computer Science, Magna Cum Laude

- Elective coursework in parallel computing (C + MPI), scientific modeling (Pandas + Matlab), machine learning (Python + Prolog) and software engineering (React + Java + MySQL).

References available upon request. For live demos and links to the source code of the projects listed above (as well as others), please visit my digital portfolio at **baileyjohnson.io**.