

Bailey Johnson

Full-Stack Software Engineer

baileyjohnson.io

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Skills

Languages

- JavaScript
- Java
- C/C++
- HTML5

- Python
- C#
- VB
- CSS3

Frameworks, Libraries & Technologies

- Node.js (Express & JWT)
- React (Jest)
- SQL (Postgres, Server)
- DigitalOcean

- Flask
- GraphQL
- MongoDB
- Netlify, Heroku

- ASP.NET
- Redis
- Docker
- 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 JavaScript & jQuery for 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-live IOC collection statistics.

DNS Filter (Myrtle Beach, SC)

October 2016 - April 2017

High-School Software Development Intern

Active Projects

mapqueue.io

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

Tools: TypeScript, React, Node.js, JWT, PostgreSQL, Netlify, DigitalOcean, Jenkins...

ornithology.io

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

Tools: TypeScript, React, Node.js, Express, GraphQL, Socket.io, Redis, MongoDB...

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.