Bailey Johnson

Full-Stack Software Engineer

baileyjohnson.io

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Skills

Languages		Frameworks, Libraries & Other Technologies			
- Python	- Javascript	- Django & Flask	- React & Vue.js	- Express	
- Golang	- Java	- SQL (Postgres, MS, My)	- MongoDB	- Redis	
- C & C++	- C#	- SQLAlchemy	- OAuth/JWT	- Jenkins	
- HTML5/CSS3	- VB	- AWS (EC2, RDS, S3…)	- Docker	- Git/SVN	

Experience

Press Ganey — NarrativeDx (Remote / Austin, TX) — August 2021 - **Present**
Software Engineer - AI Solutions

- Led the redesign of our data review export procedure (a key component of our data pipeline), improving performance (~1.5x) and providing increased insight into comments sampled for review (Django + PostgreSQL + Celery + Redis).
- Integrated third-party sentiment & PHI (personal health information) APIs into our data pipeline and client dashboards (Vue.js). Handled authentication and managed key rotation.
- Assisted in migrating our monolithic NLP tool to a micro-service architecture by participating in design discussions, extracting logic & building-out two phrasing services using Javalin (w/ Maven) and FastAPI.

NASA / KBR, Inc. (Houston, TX) — June 2020 - July 2021
Junior Software Engineer - Mission Control Center

- Developed a bulk editing tool for a property management web application in ASP.NET 3.5 with C# & VB (vanilla JavaScript & jQuery on the frontend), completely eliminating the manual submission/change process for our property database.
- Designed and implemented a new logging/log-rotation methodology for our flight controller session management service (Java & C/C++). Fulfilled all unit testing requirements.
- Regularly provided on-site support of data registry services for docking/launch events.

WetStone Technologies (Myrtle Beach, SC) — November 2018 - April 2020
Software Engineer Intern

- Created back-end automation scripts using Python (Selenium, BeautifulSoup) for the collection and analysis of IOCs (indicators-of-compromise), improving detection rates in our digital forensics tools and reducing manual processing time by appx. 75%.
- Implemented changes to an internal Flask API (SQLAlchemy + MS SQL Server) and it's front-end dashboard (React + Bootstrap + Chart.js) to render IOC collection statistics.

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 + TensorFlow) and software engineering (React + Java + MySQL).

References available upon request. For additional information & examples of some of my work, please visit my **digital portfolio** or find me on **Github**.