# Alan Banks

**Full Stack Software Engineer - Secret Clearance**

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## TECHNICAL SKILLS

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|---|---|
| **Languages:** | JavaScript, Ruby, Python, Java, C++, TypeScript |
| **Web Technologies:** | Vue, React, Rails, Angular, NodeJS, HTML/CSS/JSON, REST, GraphQL |
| **Databases:** | PostgreSQL, MySQL, MongoDB, SQLAlchemy |
| **Certifications:** | AWS Certified Cloud Practitioner |
| **Other:** | Docker, Git, Bash/Linux, Heroku, Unit Test, Azure DevOps, Jira, Agile/Scrum, Vuex, Redux, Bootstrap, Microsoft Office Tools/Software, Selenium |

## EXPERIENCE

**Peraton - Tampa, FL**                                             **June 2021 - February 2022**
**Junior Software Developer**
Worked with a team of developers on the development, maintenance and testing of DoD specific applications.
- Top performer in a team of 10+ jr developers
- Led 2 MVP/product demos.
- Constructed a POC, full stack onboarding web-application for USSOCOM. Developed with a Python, PostgreSQL database backend, and a Vue.js frontend.
- Modernized and improved querying efficiencies of legacy applications. Migrated legacy frontend applications from Vue2 to Vue3, and re-architected legacy backends from REST to GraphQL.
- Conducted code reviews and trained junior developers in programming methodologies.
- Utilized source control tools such as Gitlab and Jira to track progress throughout sprints.

**Global Impact - Alexandria, VA**                                   **August 2020 - December 2020**
**Software Application Developer**
Responsible for developing, maintaining and testing public facing web portals for the non-profit sector.
- Collaborated with key business product owners and stakeholders to gather requirements and assist in planning of future development.
- Improved the overall security of Global Impact's web portals/applications. Worked through legacy AngularJS applications to incorporate MFA and Session Timeouts.
- Optimized Rails backend SQL database queries, and refactored data structures/models to speed up legacy search/filter tools.
- Built a custom mailer tool utilizing Twilio SendGrid Email API.
- Assisted in design and implementation of test automation software using Selenium and Cucumber.

## PROJECTS

**"CURRENT TRENDS" -** [Github Frontend] | [Github Backend] | [Demo]
An online web search engine with the ability to query local and worldwide news articles. Utilized with Microsoft's Bing News Search API, and implemented with ReactJS, Ruby on Rails and a PostgreSQL database.

**"DRAW OFF" -** [Github Frontend] | [Github Backend] | [Live Site]
An online multiplayer drawing game, utilizing asynchronous methods to allow players to interact with one another. Hosted on Heroku, and implemented with ReactJS, Ruby on Rails, FireBase and a PostgreSQL database.

## EDUCATION

**University of Maryland Global Campus**                           **August 2018 - June 2021**
- BS in Computer Science (3.615 GPA)

**Bowdoin College**                                        **September 2014 - May 2018**
- BA in Music

**Flatiron School, Software Engineering Bootcamp**                       **January 2020 - June 2020**