Alan Banks

Full Stack Software Engineer - (Secret Clearance)

LinkedIn: https://www.linkedin.com/in/alan-banks/ | **Website**: https://alanbanks229.github.io
Github: https://github.com/alanbanks229 | **Email**:   alanbanks229@gmail.com
    | **Phone**:   (301)-661-0363

TECHNICAL SKILLS

Languages:	TypeScript/JavaScript, GoLang, Python, Java
Web Technologies:	React/Redux, Vue, CesiumJS, Sencha/ExtJS, NodeJS, HTML/CSS, REST, GraphQL
Databases:	PostgreSQL, MySQL, MongoDB, SQLAlchemy, Redis
Certifications:	AWS Certified Cloud Practitioner
Other:	Docker, Git, Bash/Linux, Unit/Integration Tests, Azure DevOps, Jira, Agile/Scrum

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EXPERIENCE (3+ years)

Accenture - Tampa, FL / remote   **March 2022 - Present**
Full Stack Developer
Worked in a large team to improve and maintain a 2D/3D Geospatial Web Application utilized by the United States Special Operations Command (USSOCOM).
- Led the redevelopment effort of a legacy measurement tool. Implemented additional capabilities and improved FPS/rendering performance by 400%, through data structure and frontend optimizations.
- Led documentation initiatives to modernize the web app, provided key insights into refactoring legacy JS frameworks into ReactJS Components.
- Demonstrated leadership in the absence of team leads, effectively led scrums and stand-ups.
- Maintained > 80% code coverage. Unit testing and modular testing via dependency Injection.

Peraton - Tampa, FL   **June 2021 - February 2022**
Junior Software Developer
Collaborated with developers within a USSOCOM Program to architect, maintain, and test applications tailored for the Department of Defense (DoD).
- Recognized as a top performer within a team of 10 junior developers.
- Spearheaded the development of a Proof of Concept (POC) full-stack onboarding web application for USSOCOM. Employed Python, PostgreSQL for the backend, and Vue.js for the frontend.
- Successfully led and delivered 2 MVP/product demos, showcasing strong communication and presentation skills.
- Enhanced querying efficiency for legacy applications and helped transition REST-based backend architectures to GraphQL.
- Provided coaching and mentorship to developers through code reviews and training sessions, enhanced the overall team proficiency in programming methodologies.

Global Impact - Alexandria, VA   **August 2020 - December 2020**
Software Application Developer - Intern
Designed, maintained and tested Global Impact's public-facing web portals dedicated to the non-profit sector.
- Strengthened the security of the web portals by implementing Multi-Factor Authentication (MFA) and Session Timeouts.
- Optimized Rails backend SQL database queries, and refactored data structures/models to speed up legacy search/filter tools.
- Built an internal mailer tool for customers utilizing AngularJS and Twilio SendGrid API.
- Designed automated tests using Selenium and Cucumber frameworks.

EDUCATION

University of Maryland Global Campus   **August 2018 - June 2021**
- BS in Computer Science

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