

Alan Banks

Full Stack Software Engineer (Secret Clearance)

Portfolio: <https://alanbanks229.github.io>

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TECHNICAL SKILLS

Languages:	TypeScript, JavaScript, Go, Python, Java, SQL
Web Technologies:	React, Redux, Vue, CesiumJS, Node.js, Tailwind CSS, HTML/CSS, GraphQL, REST APIs
Databases:	PostgreSQL, MySQL, MongoDB, SQLAlchemy, Redis
Certifications:	AWS Certified Cloud Practitioner
Tools & Platforms:	Docker, Git, Bash/Linux, Azure DevOps, Jira, Agile/Scrum
Testing:	Jest, Selenium, Unit Testing, Integration Testing, Continuous Integration (Jenkins, CircleCI)

EXPERIENCE (4+ years)

Accenture - Seattle, WA

March 2022 - Present

Full Stack Developer (CL-9)

Project Focus: 2D/3D Geospatial Web Application & Microservices Development for USSOCOM.

- Led a frontend refactoring effort of a mission-critical measurement tool, resulting in a 400% improvement in rendering performance and significantly enhancing user experience and interactivity.
- Significantly contributed to an internal npm package that served as a React-based geospatial visualization tool, utilized by multiple teams within the company. Ensured high reliability and optimized client-side performance for seamless integration into various frontend components.
- Refactored legacy Golang API endpoints and developed SQL helper queries to resolve critical data inaccuracies, ensuring reliable data delivery to frontend applications.
- Assumed leadership roles in the absence of team leads, effectively facilitating scrums, stand-ups, and cross-team collaboration to maintain project momentum and alignment with stakeholder expectations.
- Key contributor to documenting the transition from legacy Sencha/ExtJS MVC to ReactJS, providing clear guidance for developers on transforming legacy code and improving overall codebase maintainability.

Peraton - Tampa, FL

June 2021 - February 2022

Junior Software Developer

Project Focus: Modernization of DoD Websites and Development of Multiple Proof of Concept (POC) Projects.

- Recognized as a top performer within a team of 9 junior developers.
- Led the development of a POC full-stack onboarding web application for USSOCOM. Constructed with Python, PostgreSQL for the backend, and Vue.js for the frontend.
- Led and delivered 2 MVP demos, showcasing strong communication and presentation skills.
- Helped transition REST-based backend architectures to GraphQL.
- Provided coaching and mentorship to peers through code reviews, training sessions, and enhanced the overall team proficiency in programming methodologies.

Global Impact - Alexandria, VA

August 2020 - December 2020

Software Application Developer

Project Focus: Maintained and developed public-facing web portals for the non-profit sector.

- Enhanced security of web-portals enforcing Multi-Factor Authentication (MFA) and session timeouts.
- Improved query performance for database tables by implementing basic indexing and optimizing subqueries in PostgreSQL.
- Built an internal mail tool using AngularJS and Twilio SendGrid API.

EDUCATION

University of Maryland

August 2018 - June 2021

- BS in Computer Science

Bowdoin College

September 2014 - May 2018

- BA in Music