Jacob Sansbury

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EXPERIENCE

- **Bridgewater Associates** — Westport, CT
  Security Engineer — *June 2018 - Present*
  - **Iris**: Iris is an internal graph analysis tool specifically designed for incident response and insider-threat investigation workflows.
    * Shadowed customers to build and prioritize requirements
    * Developed a scalable application utilizing GraphQL and React
    * Designed highly available and fault tolerant AWS infrastructure
    * Built Terraform to automate deployment of AWS resources
  - **Policy DB**: is a proxy policy configuration engine designed to track the lifecycle of a policy exception and enforce configuration across multiple proxy providers.

- **Sansbury Consulting** — Tampa, FL
  Application Engineering — *October 2017 - June 2018*
  - **Mad Mobile Concierge**: Concierge is a leading MPOS solution used globally by Brooks Brothers, Vans, and The North Face.
    * Developed GDPR compliant analytics system
    * Lead adoption of test driven development to slash regression rates across all company applications
  - **ID Plans Remote Property Manager**: Remote Property Manager is a real estate management system used by property managers nationwide.
    * Achieved plan load time performance improvements of 2X
    * Migrated on-premise infrastructure to AWS

- **SentinelSix** — Columbia, SC
  Full Stack Engineer — *June 2017 - October 2017*
  - **Guardian Angel**: Guardian Angel is a global personnel security solution adopted by multiple Fortune 100 companies
    * Implemented CI/CD pipeline with Docker Cloud and Jenkins
    * Built React-based real-time tracking dashboard and multi-tenant user management system.
    * Developed native iOS application
    * Built performant geospatial data ingestion endpoints, using Go.
    * Designed and implemented plugin management solutions to cut Webpack build times.
    * Slashed technical debt through preventive code review strategies and cut cloud costs through datastore index optimization strategies.
    * Recruited and hired emerging developers through outreach to local high schools, hiring 3 interns.

- **TCube Solutions** — Columbia, SC
  Software Application Developer — *April 2016 - June 2017*
  - **R&D**: I developed and implemented business solutions and applications, while playing integral role in researching and recommending new technologies for the insurance sector. Part of this process was developing cost / benefit analyses and demonstrations.
    * Spearheaded research and development of use cases for potential use of blockchain technologies in the insurance sector.
    * Drove automation of project kickoff and task assignment processes using JIRA.
    * Launched internal file sharing tool to enable storage / sharing of 500 files per week.

PROJECTS

- **Personal Finance Toolkit**: Personal finance data generation and exploration toolkit codifying my decision making logic for more accurate decision making.