James Carney

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PROFESSIONAL EXPERIENCE

Spaceback, Inc *Software Engineer*
May 2021 - February 2023
Remote
- Extended configuration options for template-based display ad generation functionality
- Planned and began progressive migration of frontend assets to React SPA architecture
- Developed templating strategy for automated video ad generation functionality
- Rebuilt critical Chrome extension in TypeScript to comply with Manifest V3 standard
- Proposed and moderated bi-weekly engineering book club

Publicis Sapient *Senior Associate Experience Technology L1*
August 2019 - April 2021
New York, NY & Remote

Goldman Sachs | FAST Analytics
- Embedded with client engineering team to build internal data intelligence & visualization tool
- Optimized application state management to better leverage available Openfin platform API features
- Researched, documented, and and helped implement maintainable client side architecture patterns

Goldman Sachs | Transaction Banking
- Embedded with client engineering team to develop payment processing system monitoring tool
- Re-organized application frontend to implement consistent React & Redux architecture
- Standardized frontend test suite to raise coverage (~2%), clarify reporting stats
- Worked with backend team to plan, standardize, and document new API interfaces to support frontend features
- Onboarded, supervised, and delegated deliverable responsibilities to new remote team members

VShift *Software Engineer*
May 2017 - August 2019
New York, NY
- Planned and implemented content-managed marketing platforms for Fortune 500 clients
- Built consumer facing financial intelligence React SPA to integrate with client backend financial reporting API
- Managed and executed projects to integrate client branded assets with 3rd party APIs
- Researched and assessed state management, build, and asset management tools for project suitability

PROJECTS

Gmail Inbox Manager   Mail Reaper 9000
Developed a tool to periodically automatically archive and label emails in a Gmail inbox per a user defined schedule, and generate a digest report of successful transactions per executions. Main script is compiled from TypeScript with Webpack, executes in the Google Apps Script runtime, and deploys with clasp. Email matching and processing rules can be defined in Google Sheets and updated between deployments. Project is open source and can be installed via shell script.

Automatic Mist Irrigator   Irrigator
Designed and constructed a mist irrigation system for indoor gardening using procured and found plumbing and electronic hardware. Main pump and valve are controlled by Python scripts via a Raspberry Pi GPIO board, and system is administered with a small Flask web app accessible over home network. Future roadmap includes incorporating sensors to monitor soil moisture and enhancing administration app with moisture data visualization.

CORE TECHNOLOGIES

Javascript · Node · React · Redux · Typescript · Jest · Mocha · Sass · Webpack · Docker · Ruby · Rails · SQL

EDUCATION

Bowdoin College *B.A. in Philosophy and Economics*
September 2007 - May 2011
Brunswick, ME