

James Carney

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PROFESSIONAL EXPERIENCE

Spaceback, Inc *Software Engineer*

May 2021 - February 2023
Remote

- Extended template-based display ad generation functionality
- Developed automated video ad generation functionality
- Planned and executed feature migration to use React SPA architecture
- Rebuilt critical Chrome extension to comply with Manifest V3 standard
- Proposed and moderated bi-weekly engineering book club

Publicis Sapient *Senior Associate | Experience Technology*

August 2019 - April 2021
New York, NY & Remote

Goldman Sachs | FAST Analytics

- Developed internal data intelligence & visualization tool with client engineering team
- Optimized application state management to leverage Openfin API features
- Researched, documented, and implemented sustainable frontend architecture

Goldman Sachs | Transaction Banking

- Developed payment system monitoring tool with client engineering team
- Optimized application frontend React & Redux architecture
- Standardized frontend test suite to raise coverage and clarify reporting
- Assisted backend team with API interface standardization and documentation
- Onboarded, supervised, and delegated deliverables to remote team members

VShift *Software Engineer*

May 2017 - August 2019
New York, NY

- Developed content-managed marketing platforms for Fortune 500 clients
- Integrated financial intelligence application with client reporting API
- Managed and executed integration of client branded assets with 3rd party APIs
- Improved state management, build, and asset management patterns

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 · TypeScript · Node · React · Redux · Jest · Mocha · Ruby · Rails · Sass · Webpack · Docker · AWS · SQL

EDUCATION

Bowdoin College *B.A. in Philosophy and Economics*

September 2007 - May 2011
Brunswick, ME