Jack Killilea - Full Stack Developer

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EXPERIENCE

- **Two Six Technologies** — Arlington, VA
  Software Engineer - Lead Software Developer @ Two Six Technologies — *Oct 2023 - Present*
  - **Architecture**: Migrating government legacy Ember.js codebase to modern Ember.js
  - **Leadership**: Delegation of migration process of core components to allow for no breaking changes in production for client.
  - **Compatibility**: Ensuring backwards compatibility with framework versions to allow for a smooth upgrade for client.
  - **API Development**: Assist in cleaning up API queries in Java Spring backend.

- **Booz Allen Hamilton** — Herndon, VA
  Software Engineer - React Lead Developer @ Environmental Protection Agency — *Oct 2020 - Oct 2023*
  - **Architecture**: Lead Next.js application development effort from scratch. Tasked with taking mockups from designers and creating layout components and structuring whole application.
  - **Leadership**: In charge of interviewing new developers and mentoring junior developers on React best practices.
  - **Virtualization**: Implemented virtualization in the browser to efficiently render 80,000+ rows of data.
  - **API Development**: Contributed to the development of a Java Spring API.

- **JRK Enterprise Cloud Consulting** — New York, NY (Remote)
  Software Engineer - Fullstack Javascript Developer @ DZ Bank, NYC — *May 2020 - Oct 2021*
  - **SAAS Product**: Developed "Team Trade" - a SAAS solution providing a real-time position sheet for money market trading desks.
  - **Real Time Trading**: A real time trading engine built around Google's Firebase database platform. Angular application using RxJS to use web sockets to listen real time for trade changes. Used for front and back offices in DZ Bank's NYC Treasury branch.
  - **Chat Application**: Users could also use "Trade Chat", a sub application to chat internally at the bank. Users could ping other users directly and see read receipts of other users - helpful during pandemic as work from home became prominent.

- **Booz Allen Hamilton** — Arlington, VA
  Software Engineer - Front End Developer @ U.S Treasury — *July 2018 - Oct 2020*
  - **Front End Migration**: Responsible for migrating the beginnings of a jQuery application to a reusable component driven React application with Gatsby.js
  - **Data Visualization**: Data visualization done with D3.js and Mapbox's API for displaying geolocation data.
  - **Deployment**: Set up whole deployment strategy for application using Docker and Travis CI pipeline.
  - **Notoriety**: Project was featured on popular tech forum "Hacker News" twice.

- **Open Source Author** — Middletown, NJ
  Author of "Marionette Expose" - https://leanpub.com/marionetteexpose — *Summer 2013*
  - **Entrepreneurial**: Self-published book on writing Single-Page Javascript applications in Marionette.js.
  - **Open Source**: A technical write up on building Marionette.js applications with Twitch.tv's API when first publicly released in 2013. Book has 2500 readers and counting and was a summer project turned into an open source book.

PROJECTS

- **DataLab**: Visualizations to help you better understand government finance. - *https://www.usaspending.gov/*
- **Twitch TV Expose**: A Single-Page version of Twitch TV's site from 2013. - *https://github.com/xjackk/twitchtvexpose*
- **Music Effects Generator**: A program written in Rust to add effects like reverb, gain, modulation, and filters to mp3 files.
- **Emacs Theme**: An open source theme for the text editor, Emacs, written in Emacs Lisp, available on the MELPA package manager.

EDUCATION

- **Virginia Polytechnic Institute and State University** — Blacksburg, VA
  Bachelor of Science in Computer Science — *Sept. 2014 – May. 2018*

SKILLS

- **Languages**: Javascript, Typescript, C#, Rust, Perl, Python, Lua, SQL

- **Technologies**: AWS, Azure, Linux Administration, React, API Development, Firebase, Git, Docker, Node.js, D3.js, Angular.js, Marionette.js, Backbone.js, Postgres, MongoDB