

David A. George

Sr. Front-End & Design Engineer

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I'm a front-end engineer, design engineer, and product designer with 10+ years of experience. I have a particular interest in delivering excellent usability patterns, building pixel-perfect UI designs, and architecting simple, yet comprehensive component libraries — all with a profit-driven approach. The projects I've led and worked on range from creative exploration to achieving rigid business goals and I excel most when in both worlds of engineering and design.

November 2022 – May 2025

Senior Front-End Engineer & Lead Design Engineer Fringe, Inc. | Tucson, AZ & Richmond, VA (remote)

- Led front-end architecture and established design system standards for Series A startup
- Architected and implemented a comprehensive component library, reducing development time by ~40%
- Spearheaded platform-wide accessibility improvements, achieving ADA level AA compliance
- Led engineering effort to achieve parity between Figma and the component library (Storybook)
- Introduced and designed application-wide animations using Framer's Motion library for React
- Designed and implemented application theming system for light, dark, and client-specific themes
- Improved core web vitals, significantly enhancing user experiences, e.g. improved Lighthouse scores by 35%; reduced bundle size by ~20%
- Maintained unit testing coverage of 92% across front-end code (Jest, React Testing Library, Vitest) alongside implementing Chromatic's visual diff tool into our CI/CD build chain
- Mentored junior engineers and led cross-functional collaboration between design and engineering teams
- Led migration efforts: Javascript => Typescript; CRA => Vite; and React 16 => 17 => 18

October 2019 – November 2022

Product Designer + Lead UI Developer CapCenter | Richmond, VA

- Led UI development and product design for a Fintech company specializing in mortgages, loans, and RE
- Responsible for designing and building the front-end for all digital products
- Led Loan Application redesign, growing loan volume 500% to \$1.2B and growing NPS 2+ points
- Led design and FE development for Home Search product (Zillow/Redfin competitor)
- Led design and FE development on numerous financial tools and educational content
- Led FE development and created UX & UI designs for website redesign, with ADA level AA compliance

September 2021 – December 2021

Technical Consultant NBA Top Shot + Dapper Labs | Richmond, VA (remote)

- Short-term side contract as a technical marketing consultant on the NBA Top Shot crypto/NFT project for Dapper Labs
- Implemented data normalization for personalizing emails at scale for 2M+ users
- Facilitated platform onboarding through creative messaging campaigns, card drops, and A/B testing

January 2017 – October 2019

Lead UX Designer + UI Developer Dito | Richmond, VA (remote)

- Led product design for a Premier Google Partner
- Designed, built, and deployed custom apps on the Google Cloud ecosystem
- Led design discussion with stakeholders and clients, incl. DoD partners like Northrop Grumman
- Led UX discovery and owned UI design process for internal and client projects
- Won California's Innovative Technology Award for the Matching Engine product (508 Compliant)
- Sketched, wire-framed, and built application UI (React, Angular, HTML, SASS)
- Led usability testing, uncovering actionable user feedback and missing product requirements

March 2015 – January 2017

Technical Marketing Lead + Google Maps Solutions Developer Dito | Richmond, VA (remote)

- Led technical marketing development efforts (Salesforce, Marketo, HubSpot, Wordpress, G Suite)
- \$1.2M yearly sales quota as a Google Maps API product developer and sales engineer
- Consulted on Maps APIs to clients and leads driving sales growth to meet ever-increasing quota
- Gave technical demos and sales presentations at Google offices across the country on G Suite and Maps
- Designed and implemented marketing automation systems, improving event management and eliminating need for an entire administrative position

Education

Product Operating Model Masterclass

Silicon Valley Product Group (SVPG) | 2024

Omnichannel Journeys & Customer Experience w/ Interaction Design Specialty

Nielsen Norman Group (NN/g) | 2021

Analyzing/Presenting Data Visualizations

Edward Tufte | 2019

Associate Google Cloud Engineer

Google | 2018

B.S. Business & Marketing Management

Virginia Tech | 2012

Notable projects

ADP Thrive Marketplace

Lead Product Designer & Lead UI Developer | 2023

NBA Top Shot (NFTs)

Technical Marketing Consultant & Marketing Developer | 2021

CapCenter's Home Search Application

Lead Product Designer & Lead UI Developer | 2021 – 2022

CapCenter's Loan Application

Lead Product Designer & Lead UI Developer | 2019 – 2021

KFC's Store Locator app

Front-end Engineer | 2018

Northrop Grumman NEXT Intranet

Lead/Solo Designer & Lead Developer | 2017

Awards

Innovative Technology Award, California

Matching Engine — San Joaquin County Foster Program: Lead UX Designer & Lead UI Developer (508 Compliant) | 2017

Langs, Libs, & Frameworks

Javascript, Typescript, HTML5 (semantic), CSS3, SASS, Stylus, Golang, App Script, CLI

React, Vue, Angular, Tailwind, MUI, DaisyUI, Shadcn, Storybook, Styled Components, Framer Motion, Vite, Vitest, Jest, React Testing Library, Bootstrap, Quasar, Node, Webpack, Yarn, NPM, Git

Firebase, React Router, Chromatic, Tanstack, Zustand, Recoil, Context API, Capacitor, Github CI/CD, Azure DevOps CI/CD + Portal, Google Cloud Platform, Datadog, Figma, Lottie, Sketch, Adobe XD, Google App Engine

December 2013 – May 2014

Senior Client Strategy

Koofers.com (Docsity) | Blacksburg, VA

- Led strategy for biz dev and client retention for the top college study tool in the nation and series A startup
- Responsible for sales funnel, lead conversion, and developing client marketing strategies
- Developed conversion-optimized UIs and landing pages
- Role continued until acquisition in 2014 (now Docsity).

May 2012 – December 2013

New User Experience Lead

Heyo (prev. Lujure) | Blacksburg, VA

- One of the first 10 employees in a rapidly growing Series A startup
- Drove free trial user volume and responsible for trial-to-purchase conversions
- Designed landing pages and forms while analyzing customer action, purchase motivation, and usage
- Wire-framed and prototyped digital products
- Created on-boarding UX flows, UI screens, and ran live user-testing scenarios