**JOHN RICHTER**

Developer, Designer, Data Visualizer

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Interactive Portfolio: [VisualizeEarth.com](http://www.visualizeearth.com/)

**CORE SKILLS**

Angular, React, Next.js, UI/UX Design, GraphQL, Hasura, Typescript, Javascript, Nest.js/Node/Express, RxJS, Server Side Rendering, Static Site Generation, D3.js, Firebase, Firestore, Google Cloud, AWS, NX Monorepo, State Management

**EDUCATION**

**University of Texas at Austin**, 2012, Computer Science GPA 3.5

**Washington University in St. Louis**, BA 2010, Political Science & Economics GPA 3.6

**ADDITIONAL SKILLS**

**Design:** Figma,Photoshop, Illustrator, Adobe Experience Design, Sketch, InvisionApp, Omnigraffle

**Content Management Systems:** NationBuilder, Drupal, Ghost, Wordpress

**User Interface/User Experience Skills:** Prototyping, Iconography, SVG and pixel-based design, Responsive Design, Fonts & Typography, UI/UX theory, Usability Testing, A/B testing, Analytics, CSS Sprites

**Interactive Data Visualization**: HighCharts, D3.js incl maps, GeoJSON, TopoJSON, Charts.js

**Mobile**: Progressive Web Apps, Titanium, Android

**Backend Infrastructure/CI**: Google Cloud, Google Cloud Run, Firebase, Jenkins, Amazon Web Services, AWS Amplify

**Testing:** Karma, Mocha, Chai

**EXPERIENCE**

 **Principal**

 *Visualize Earth, Inc., Feb 2020 – Present, New York*

* Clients include Sidewalk Labs, Aspen Institute, Leonardo DiCaprio Foundation, National Geographic, Years of Living Dangerously. (See below)
* *Technologies Used: Angular, Next.js, React, Docker, Node, Server Side Rendering, Static Site Generation, Firebase, Firestore (NoSQL DB), Google Cloud Run, Google Cloud Compute Engine*

**Senior UI Engineer and UX Designer**

*Millennium Management, February 2019 – January 2020, New York*

* Designed and architected gorgeous UI/UX/data visualizations, dashboard, Omnigraffle-like mapping tool help portfolio managers and analysts assess equities, take action at the 6th largest hedge fund in the world
* Designed and architected gorgeous dashboard for managing ideas, screening coverage, and classifying equities
* Designed app & style guide using Figma, implemented component library
* Developed continuous integration pipeline, including scripts for coding, style, and git naming standards
* *Technologies Used:* Angular 8, Typescript, Ag-Grid, Figma, Javascript, SVG, HighCharts, more…

**User Interface Engineer**

*Oportun, June 2016 – January 2019, Redwood City, CA (Remote – based in Portland,OR)*

* Developed and maintained new payments infrastructure using Angular.js and REST services
* Designed UI and implemented expanded customer search functionality
* Redesigned and developed UI components within payments, collections, and origination
* *Technologies Used:* Javascript, Angular.js, Jenkins, Grunt, Git, Bower, Node, Photoshop, Illustrator, SCSS, SQL, MySQL Workbench, Karma, Mocha, Chai, Emacs, VSCode, Slack, Outlook, Jira, Gradle, Groovy, Git...

**User Experience Engineer**

*Kavi Corporation, June 2014 – June 2016, Portland, OR*

* Redesigned marquee customer-facing product resulting in increased sales
* Advocated and assisted transition from Backbone-based app to Typescript/Angular.js based app
* Led design and implementation of modern activity feed that boosted customer engagement
* Designed and developed D3.js based dashboard to make data more accessible/actionable
* *Technologies Used:* Typescript, Javascript, Angular.js, Grunt, Git, Bower, TSD, Node, Photoshop, Illustrator, Backbone.js, PHP, Python, SCSS, Mustache, Smarty, SQL, Karma, Crucible, Jira ...

**Cofounder & Digital Director**

*Our Climate, February 2014 – January 2018, Portland, OR*

* Cofounded nonprofit to pass carbon pricing legislation to fight climate change by organizing millennials
* Coordinated with National Geographic’s Years of Living Dangerously show and Leonardo DiCaprio
* Designed branding materials and website
* Designed/developed custom interactive data visualizations w/ D3.js to explain climate change/carbon pricing
* *Technologies Used*: Javascript, D3.js, HTML, CSS, Photoshop, Illustrator, NationBuilder CMS

**Consultant Developer, Designer, Data Visualizer**

*July 2010 – Present*

* **Leonardo DiCaprio Foundation/Years of Living Dangerously** - Designed interactive maps and landing pages
* **Minnow Software** - Visualized allergy data using d3.js and leaflet
* **Praxsys/Vitasio** - Designed the user interface of iPhone applications and website while in college
* **Red Sequoia** - Designed and developed several Drupal websites
* **Incendia Media** – Designed and developed Drupal sites, Titanium-based mobile app

**Front-end Developer and Data Visualizer** (volunteer)

*Behind the Curtain by Hack Oregon, June-November 2014, Portland, OR*

* Developed and data visualized public campaign finance data for candidates, PACs, and measures in Oregon
* *Technologies Used:* AngularJS, Javascript, D3.js, HTML, SCSS

**Cofounder & UI Designer**

*Local Plate, November 2012-June 2013*

* Cofounded local food systems startup – meal kits for locally sourced foods
* Designed and co-developed platform
* Won 3rd place in Portland Startup Weekend competition

**TALKS & APPEARANCES**

**PDX Creative Coders**, January 2015, Presented Hack Oregon’s *Behind the Curtain*

**D3.js Meetup**, January 2015, Presented Hack Oregon’s *Behind the Curtain*

**Portland Typescript Meetup**, June 2015, “Introduction to the Typescript Toolchain”

**AWARDS AND HONORS**

**Hacker School at YCombinator,** Attended conference featuring Mark Zuckerberg, Jack Dorsey, more

**Greenberg Scholar (Wash U),** $29,500 per year ($118k total), award based on merit and financial need

**St. Joseph’s Scholarship (Wash U),** $1000, award based on merit

**MY PORTFOLIO – Visualize Earth-** [**http://www.visualizeearth.com/**](http://www.visualizeearth.com/)

**Find My Rep –** [**http://www.findmyrep.us/**](http://www.findmyrep.us/) **–** Find your representatives from the federal level down to city level by entering your address.

