

CHARLIE HOOVER

FULL STACK ENGINEER/UX EXPERT

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(301) 922-6059

Profile Open source evangelist, JavaScript expert and functional programming nerd. In my free time I like to hack away on my side projects, and give speeches/lectures on various open source and JavaScript centered topics.

<i>Skills</i>	Mobile Strategy	System Architecture	JavaScript Expert
	Responsive, adaptive, and latency optimization for low bandwidth. Implementation and testing strategy for handheld and tablet devices.	Ease of use, performance and accessibility from concepts, wireframes, topologies, data flow diagrams, through implementation.	Node.js user/lover. Intimate familiarity with core functions and APIs, prototypal inheritance pattern, contextual scope, closures and promises.

<i>Technical</i>	HTML5/CSS3	Jenkins CI	User Interface Design
	HTTP 1/2/3	Responsive/Adaptive/Mobile	SQL, MongoDB, Redis
	SSE, WebSockets, Socket.io	PHP, Scala, Go, Java, Clojure	Data Viz SVG/Raphael/D3
	JavaScript/Node.js	GraphQL, React, Angular	GRPC, REST, SOAP
	Distributed Systems	Agile, Scrum, Velocity Tracking	Pub Sub/Queueing (SQS, Kafka)
	Kubernetes	Elasticsearch and ELK	Release Management

Experience T. Rowe Price Group, Inc. 2018-2019
Associate Vice President, UI Lead

At T. Rowe price I successfully migrated the firm's shopping experience for a portfolio nearing \$1 trillion in assets. The existing legacy Java Server Pages (JSP) application was rebuilt in GraphQL and React to provide a mobile first shopping experience. I led the UI architecture including a reusable component and chart library, display engine, and style system. I also worked to implement process enhancements, including a new code peer review process and coding standards. Along with a mutual fund search tool we built a mutual fund comparison tool and product pages full of data visualizations (D3 SVG) and a checkout funnel for portfolio/account creation.

T. Rowe Price Group, Inc. 2018-2018
Senior Software Engineer

Upside Travel

Senior Software Engineer

2017-2018

At Upside I successfully designed and built out an omni-channel communication strategy. This included architecting and building in-app messaging, email, and phone communication channels. I built and optimized our communication and task routing algorithm, so our 24/7 concierge team could be assigned new workloads under high-concurrency in real-time. Along with a couple of other engineers I won the Upside.com hackathon with an amazon alexa app connected to internal services, including flight status (e.g. "Alexa is my flight on time? Alexa what is my departure gate? Alexa can you upgrade my seat to first class?").

Under Armour

Software Engineer

2014-2017

In my role as a fullstack developer, I worked on a large-scale, highly available e-commerce platform, nearing half a billion dollars annually. I have led a team at Under Armour on Application Performance Management (APM), setting up a custom-built system for realtime monitoring and alerts on key metrics of system performance across the cluster. This system was used during peak retail season where huge variances from our average traffic pattern occurred. I also worked on other initiatives. Including leading the first responsive redesign of the Under Armour website. I was the primary author of UA.com payment authorization service, and was a contributor to search and checkout subsystems as well as many others.

ADG Creative

Senior UI Developer

2012-2014

Led front-end development strategy at ADG. Helped architect core front-end libraries and frameworks. Projects include work in the commercial, federal, and not-for-profit sectors. Worked extensively with defense clients and governmental agencies. Portfolio available upon request.

Fathom Creative

Senior UI Developer

2010-2012

Developed, executed and completed multiple commercial, federal and non-profit websites, mobile applications and other interactive applications for local, regional and national entities. Clients include Carfax, GPO, GSA, Paxton Vanlines, American Chemical Society and the American Chemical Council.

CPHSolutions, LLC

Principal

2004-Present

Portfolio available upon request.

Applied Imagery

Developer/Designer

2006

Developed product registration system for QuickTerrain Modeler and QuickTerrain Reader line of products. Created workflow for user registration and download of the product.

HooverLaw, LLC
Lead Developer/Designer

2006

Designed and developed law firm website including blog and subsequent redesign of website.

Education Xavier University - Cincinnati, Ohio
Political Science, and Computer Science

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