CHARLIE HOOVER

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FULL STACK ENGINEER/UX ENTHUSIAST

Profile

Open source evangelist, JavaScript nerd and hacker. In my free time I like to hack away on my side projects. I have given several speeches/lectures on various open source and JavaScript centered topics.

Skills

Mobile Strategy

Responsive, adaptive, and latency optimization for low bandwidth. Implementation and testing strategy for handheld and tablet devices.

System Architecture

Ease of use, performance and accessibility from concepts, wireframes, topologies, data flow diagrams, through implementation.

JavaScript Expert

Node.js user/lover. Intimate familiarity with core functions and APIs, prototypal inheritance pattern, contextual scope, closures and promises.

Technical

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)
K8 Microservice Architecture	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.
Senior Software Engineer

2018-2018

Upside Travel
Senior Software Engineer

2017-2018

At Upside I succesfully 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.

CPH Solutions   2004-2011
Principal

Freelance work. Portfolio available upon request.

Applied Imagery   2006
Developer/Designer

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   2006
Lead Developer/Designer

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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