

Cliff Hall

Software Architect

CONTACT

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SUMMARY

Senior software architect and developer focused on Ethereum blockchain, single page apps, mobile-first design, and NoSQL backends.

I enjoy working in an agile development environment with continuous integration, and have extensive experience working remotely on teams distributed across different time zones.

CURRENT SKILLS

Programming Languages

JavaScript (ES6/7), Solidity

Web Development Frameworks

React, Redux, AngularJS, SCSS, Bootstrap, Material Design, Node, Three.js, Socket.io, Web3, ethers.js, Truffle, Drizzle, Hardhat

Frequently Used Tools

Git, Perforce, MySQL, Firebase, AWS, GCP, Ganache, Gulp, Jasmine, Jest, NPM, Yarn, Babel, ESLint, Solhint, WebStorm

SELECTED PROJECTS

| | |
|-----------------------|-------------------------------|
| Avatars | avatars.io |
| Deja:View | thisisgrow.com/work/deja-view |
| Sinewav3 | app.sinewav3.com |
| Page Fight | page-fight.net |
| Matrix | mgstn.ly/1JENE4X |
| CustomShow | www.customshow.com |
| CWCT | bit.ly/ZBHMbc |
| PureMVC | puremvc.org |
| ChannelMaster | bit.ly/zuMbygs |
| ISPAN | lmt.co/2LwQ80n |
| WeightWatchers | youtu.be/AqfXZDvbr4 |

RECOMMENDATIONS

"Cliff stepped into an ongoing, \$7 million effort with over 1500 pages of specifications and requirements and began contributing on day one. He took over development of what had been identified as the program's biggest barrier to on-time delivery, the user interface, and transformed it into a polished, ahead-of-schedule component that our end users were ecstatic for. Customers with a wide base of experience with diverse Common Data Link terminals have said that Cliff's user interface is the best looking, most intuitive interface they have ever used on such a device. I could not recommend Cliff Hall and Futurescale more highly than I do. Futurescale will absolutely deliver superlative results in a timely manner."

— Brian Connell, Project Lead, **Avtec Systems**

"Cliff is one of the most thorough and detail-oriented developers I've had the pleasure of working with. He asks all the right questions upfront and then just delivers the right product at the right time without requiring any further guidance or oversight. He manages his time really well, doesn't shy away from learning new technologies, and does the work with honesty and diligence. I would recommend Cliff to anyone who wants to build a solid product and has no time for micro management."

— Aman Thind, Executive Director, *Electronic Trading & Real-time Analytics*, **Morgan Stanley**

EXPERIENCE

Futurescale, Inc

Jonesborough, TN ~ 2004-Present

CEO

Corp-to-corp consulting on the architecture, design, and development of complex applications and user interfaces. Clients can expect clean, maintainable, well-documented code, informed by extensive experience and adherence to industry best practices. Authored the Open Source PureMVC Framework and wrote the associated O'Reilly technical book. Also wrote *Building on Ethereum with Solidity and React*.

Dapp Wizards, LLC DBA nft42

Boise, ID ~ July 2019-Oct 2020

Consultant, Architect, Developer

Solidity, React, Firebase, Node.js

Built the first NFT project to put all art and metadata on-chain. Over 1M USD volume in first 6 months of operation. Devised and implemented a play to earn mechanic.

IndeeLabs, LLC

Asheville, NC ~ July 2018-June 2019

Consultant, Developer

React, Redux, Bootstrap, Firebase, Node.js, Python

Cryptocurrency startup focused on public verification of trader profiles, helping advice seekers find and track top traders. Founded by former Bloomberg team members.

Drewmedia, Inc DBA Grow

Norfolk, VA ~ Oct 2017-Jan 2018

Consultant, Developer

SCSS, Material Design, Angular, Firebase, Node.js

Added sitewide animation and other features to YouTube's social web game Deja:View.

On // Off Art, LLC

New Orleans, LA ~ Mar 2017-Present

Partner, Architect, Developer

Angular 1.x, Angular Material, Firebase, Node.js

Startup of Culturalyst, a web application for bringing together artists and patrons.

Creativity Hacker Press

Saskatchewan, Canada ~ Jan 2016-Present

Partner, Architect, Developer

Angular 1.x, Bootstrap, Firebase, Node.js

Startup of Page Fight, a web app that gamifies actionable feedback for book marketing.

Morgan Stanley

New York, NY ~ May 2013-Nov 2015

Consultant, Core Team Lead Developer

ActionScript, Flex, Javascript, Angular 1.x

Flex to HTML5 migration of Matrix, a modular financial trading and analysis application.

More Satisfied Clients and Agencies

2004-2013

Adobe Systems, Assurant, Avtec Systems, Effective UI, Cisco Systems, Dorado, JITC, The Jockey Club, J. P. Morgan Chase, Harley Davidson, IndeeLabs, Lockheed Martin, ManyOne Networks, NYK Logistics, State Street Bank, Reputation.com, Sales Graphics, Universal Mind, US Strategic Command, Verizon Wireless, Weight Watchers International

Register.com, Inc

New York, NY ~ 2001-2004

Senior Developer, Tech Lead

Java, J2EE, EJB, Perl, JBoss, Tomcat, Red Hat Linux

About.com

New York, NY ~ 1999-2001

Application Developer

Perl, Oracle, MySQL, SQL Server, BSD UNIX

Prodigy Communications

White Plains, NY ~ 1998-1999

Developer, Y2K Test Team Lead

C++, Mercury WinRunner, LoadRunner

Cimtek Medical Company

Johnson City, TN ~ 1997-1998

CTO, Software Architect

Visual Basic, Quark, IIS, NT Server

Zfx / Zeta Image

Kingsport, TN ~ 1994-1997

Animator, Developer, Webmaster

Perl, Prisms, Houdini, SGI IRIX, Novell UnixWare

Bridge Computer Systems

Gray, TN ~ 1989-1994

Programmer, Analyst

Oracle, RISC OS, SCO UNIX, UniBASIC

Professional Data Services

Johnson City, TN ~ 1988-1989

Developer, Technical Writer

Datapoint DataBUS

Data Management Group

Johnson City, TN ~ 1985-1987

Co-Founder, Programmer, Analyst

80x86 Assembly, QuickBASIC, DOS

Data Equipment Supply

Downey, CA ~ 1982-1984

Game Programmer

6502 Assembly, Commodore 64, Vic-20, PET