

SUMMARY

Senior software architect, developer, and tech lead currently focused on Solidity and EVM-based blockchain technology.

I have extensive experience working and leading remotely on teams distributed across different time zones.

CURRENT SKILLS

Programming Languages

JavaScript, Solidity

Frequently Used Tools

Web3.js, ethers.js, Truffle, Waffle, Hardhat, React, Redux, Angular, SCSS, Bootstrap, Material Design, Node, Three.js, Socket.io, Git, Firebase, GCP, Gulp, NPM, Yarn, Babel, ESLint, Hardhat, Solhint, WebStorm

SELECTED PROJECTS

Building on Ethereum	amzn.to/3iDsG1q
Boson Protocol	bosonprotocol.io
Avatars	avatars.io
Seen Haus	seen.haus
Fismo	fismo.xyz
Nifty Cannon	niftycannon.app
Culturalyst	culturalyst.com
PureMVC	puremvc.org
CustomShow	customshow.com
ISPAN	lmt.co/2LwQ80n
WeightWatchers	youtu.be/AqfXZDvdb4

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**

"Cliff is an eclectic, high-energy guy whose off-the-wall thinking can turn an insoluble problem into a cakewalk. We worked on a variety of projects together, every one a pleasure. He's a real trouper who gets the job done."

- Jos'h Fuller, Animator / Developer, **ZFx, Inc**

EXPERIENCE

Futurescale, Inc

CEO, Principal Consultant

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 the associated O'Reilly technical book. Also wrote *Building on Ethereum with Solidity and React*.

Jonesborough, TN ~ 2004-Present

Redeemeum UK Limited

Consultant, Developer, Tech Lead

Led a small, laser-focused team in delivering a completely new, modular, audited Boson Protocol V2 architecture for self-serve, decentralized commerce at scale.

Taunton, UK ~ Sept 2021-Dec 2022

Seen.Haus

Consultant, Architect, Developer

Built entirely new marketplace smart contract suite including primary and secondary markets with a focus on handling NFT + Physical sales. 100% code coverage in tests.

New York NY ~ May 2021-Aug 2021

KnownOrigin Labs

Consultant, Architect, Developer

After several spikes to find the most gas efficient proxy architecture, built artist collaboration and royalty splitting smart contracts. Expanded unit test suites.

Cheshire, UK ~ Feb 2021-Mar 2021

Dapp Wizards, LLC DBA nft42

Consultant, Architect, Developer

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

Boise, ID ~ July 2019-Oct 2020

On // Off Art, LLC

Partner, Architect, Developer

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

New Orleans, LA ~ Mar 2017-Present

Morgan Stanley

Consultant, Developer, Core Team Lead

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

New York, NY ~ May 2013-Nov 2015

More Satisfied Clients and Agencies

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

2004-Present

Register.com, Inc

Senior Developer, Tech Team Lead

New York, NY ~ 2001-2004

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

About.com

Application Developer

New York, NY ~ 1999-2001

Perl, Oracle, MySQL, SQL Server, BSD UNIX

Prodigy Communications

Developer, Y2K Test Team Lead

White Plains, NY ~ 1998-1999

C++, Mercury WinRunner, LoadRunner

Cimtek Medical Company

CTO, Software Architect

Johnson City, TN ~ 1997-1998

Visual Basic, Quark, IIS, NT Server

Zfx / Zeta Image

Animator, Developer, Webmaster

Kingsport, TN ~ 1994-1997

Perl, Prisms, Houdini, SGI IRIX, Novell UnixWare

Bridge Computer Systems

Programmer, Analyst

Gray, TN ~ 1989-1994

Oracle, RISC OS, SCO UNIX, UniBASIC

Professional Data Services

Developer, Technical Writer

Johnson City, TN ~ 1988-1989

Datapoint DataBUS

Data Management Group

Co-Founder, Programmer, Analyst

Johnson City, TN ~ 1985-1987

80x86 Assembly, QuickBASIC, DOS

Data Equipment Supply

Game Programmer

Downey, CA ~ 1982-1984

6502 Assembly, Commodore 64, Vic-20, PET