Cliff Hall

Software Architect

CONTACT

2004-Present

cliff@futurescale.com github.com/cliffhall ~ linkedin.com/in/cliff

SUMMARY

Senior software architect, developer, and tech lead focused on solving domain-specific problems with artificial intelligence.

Extensive experience working remotely and leading global teams distributed across multiple time zones.

CURRENT SKILLS

Languages, Frameworks, and Platforms

Node.js, JavaScript, React, Firebase, PureMVC, OpenAl

SELECTED PROJECTS

PlotRocket plotrocket.app Loop Dust loopdust.art **Building on Ethereum** amzn.to/3iDsG1g **Boson Protocol** bosonprotocol.io **Avastars** avastars.io Fismo fismo.xyz **Nifty Cannon** niftycannon.app Culturalyst culturalyst.com **PureMVC** puremvc.org CustomShow customshow.com ISPAN lmt.co/2LwQ80n WeightWatchers youtu.be/AqfXZDvdbr4

PUBLICATIONS

Technical Books

Actionscript Developers Guide to PureMVC Building on Ethereum with Solidity and React

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

PlotRocket

Private Endeavor ~ Jan 2023-Present PureMVC, Node.js. React, Firebase, GPT-4 AI Research and Development Combined AI with industry practices for creating episodic television, yielding a tool capable of outlining episodes of a series down to the scene and beat. The AI collaborator can give story-aware suggestions for every story and world-building element, along with justifications for each.

Culturalyst

New Orleans, LA ~ Mar 2017-Present

CTO. Architect. Developer Angular, Angular Material, Firebase, Node.is, GPT-4 Built this hyper-local directory connecting artists with grant and performance opportunities. Used AI to overcome a showstopping issue with gathering artist opportunities from around the web and directing them to subscribing artists. With AI, I was able to classify opportunities from random sites into our taxonomy, normalizing the data fields such that they appeared to have been entered through our own UI.

Pass On

Kent, UK ~ Feb 2024-Mar 2024

Consultant, Developer Next.js, Node.js, Mocha, PureMVC Built a modular rules engine and schema for identifying and rewarding actions taken on for this affiliate marketing startup, removing a key barrier to self-service.

Redeemeum UK Limited

Taunton, UK ~ **Sept 2021-Dec 2022**

Solidity, Hardhat, Node.js, Mocha Led a small, laser-focused team in delivering a completely new modular and audited Boson

Protocol V2 architecture for self-serve, decentralized commerce at scale.

Dapp Wizards, LLC DBA nft42 Consultant, Architect, Tech Lead

Consultant, Architect, Tech Lead

Boise, ID ~ July 2019-Oct 2020

Solidity, React, Firebase, Node.is

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

Morgan Stanley Consultant, Developer, Core Team Lead New York, NY ~ May 2013-Nov 2015

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-Present

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

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

White Plains, NY ~ 1998-1999 C++, Mercury WinRunner, LoadRunner

Developer, Y2K Test Team Lead

Johnson City, TN ~ 1997-1998 Visual Basic, Quark, IIS, NT Server

Cimtek Medical Company CTO, Software Architect

Kingsport, TN ~ 1994-1997

Zfx / Zeta Image

Animator, Developer, Webmaster

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

Downev. CA ~ 1982-1984 6502 Assembly, Commodore 64, Vic-20, PET