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Adam Ellsworth

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Technical Skills :

Javascript, **HTML**, **CSS**, **Angular**, **NodeJS**, **Express**, **SocketIO, jQuery**, MongoDB, MySQL, CasperJS, D3, PhaserIO, OAuth, REST API Design, Systems Architecture, Relational Database Design, Git, Bash, Grunt, Gulp, Embedded Systems, Adobe Creative Suite (Ai, Ps, Pr)

Recent Work :

Producer | Team Lead, Full Stack Engineer
Operations management portal for Hack Reactor executive staff
- Hack Reactor's operations complexity was out of hand; architected and built user interface for operations management tool chain, scheduled for release to all campuses in Summer 2016
- Developed full stack with Angular, Node, Express, LevelDB, and S3, deployed to AWS
- Integrated RESTful architecture with Asana API and legacy Hack Reactor services
- Built authentication with github team permissions, providing staff authority over privileges

Quiz Team | Full Stack Engineer | quizteam.us (mobile) quizteam.info (desktop)
Cooperative, fast paced trivia game for multiple players on iOS and Android devices
- Designed responsive and engaging mobile UI using Angular, Ionic, and CSS animations
- Implemented SocketIO to create a responsive and robust multiplayer experience
- Introduced continuous integration and deployment using Docker, TravisCI and AWS
- Automated quiz database generation with thousands of questions using web scraper CasperJS

BattleScript | Team Lead, Full Stack Engineer | battlescript.co
Real-time head-to-head coding battles with friends or enemies
- Spearheaded the development of user interface, authentication, database, and deployment
- Devised connection system that allows thousands of users to compete live through SocketIO
- Streamlined feature production by incorporating REST API architecture using the MEAN stack

SpaceWars | Team Lead, Full Stack Engineer
Browser based space shooter, using smartphones as responsive, motion feedback controllers
- Oversaw all components of game design, including mechanics, physics and UX with PhaserIO
- Developed responsive cell phone controls, streaming accelerometer data using SocketIO
- Implemented multiplayer functionality, allowing several phones to connect to a single browser

Professional :
Experience

Hack Reactor | Software Engineer | Hackreactor.com | 2015-Present
- Designed and built management software for executive staff across network of schools
- Recognized educational gap at Hack Reactor; launched interactive lecture series on systems architecture, relational database design, and core debugging principles

8-Bit Lit | Founder and CEO | 8BitLit.com | 2012-Present
- Grew company from a single prototype, to mass production and sales in over 100 countries
- Featured on Reddit's front page, Bloomberg Business, and The Wall Street Journal

Plethora | Head of Production | Plethora.com | 2014
- Led production division, responsible for all manufacturing, quality control, and fulfillment
- Headed collaboration across software and robotics teams to automate manual processes

ProtoTank | Founder | ProtoTank.com | 2012-2013
- Developed prototypes for startups and companies including Autodesk, Lyft, and Ben & Jerry's
- Designed mechanical system for multi-million dollar Bay Bridge Lights installation

Made in Space | Director of New Technologies | MadeinSpace.us | 2010-2011
- Engineered multiple 3D-printers for space, led team on zero-gravity research flights
- Built first iteration of printer that launched to the International Space Station

Education :

Hack Reactor | Advanced Software Engineering Immersive | 2015
Singularity University | Graduate Studies Program in Exponential Technologies | 2010
Rice University | Double Major - Chemistry and Film | Presidential Honor Roll | 2005-2009

Personal :

Toastmasters - Mentorship - Golf Saturdays - Rum Drinks - Fresh Powder - Crawfish Boils - Na zdraví!