Colin James Wood

Full-Stack Web Developer & All-Around Cool Guy

214-356-3336 | *colinjameswood@gmail.com* | *colinjameswood.com*

Education

B.S. Computer Science, Southern Methodist University, Dallas TX (May 2011)

Skills

JavaScript, Node, Amazon Web Services, HTML5, CSS3, CSS & HTML Preprocessors, jQuery, PHP, MySQL, MongoDB, AngularJS, Photoshop, UNIX, REST APIs, Mobile Web Design Patterns & Considerations, Responsive Web Design, Written Skills, Git, and all the other usual web development stuff.

Experience

Senior Software Engineer, Codex Protocol (03/18 - Present)

Accomplishments
- Built decentralized Ethereum blockchain applications, with a focus on backend Node API development and DevOps tasks.
- Responsible for AWS management and CI deployments using EC2, CodeDeploy, CloudFront, Route53, etc.

The Codex API & Documentation (03/18 - Present)
- Main contributor to the API and backend infrastructure for Codex Protocol's decentralized asset registry.
- API handles everything from OAuth2 authentication, to submitting & processing blockchain transactions, to sending transactional emails via SendGrid, to processing payments via Stripe.

Codex Viewer (04/18 - Present)
- Helped write and deploy a hybrid dApp / traditional web app that allows users to use Codex Protocol's decentralized asset registry.
- Helped develop a solution to allow users to log in via MetaMask if they choose to manage their own wallet, or to log in via a social identity provider (e.g. Google or Facebook), which provisions a Smart Contract for them so Codex Protocol can send transactions on their behalf without storing private keys.
- Helped develop solutions to several interesting challenges specific to dApp development (e.g. long, asynchronous blockchain transactions)

Biddable (03/18 - Present)
- Helped write backend service that allows people to deposit cryptocurrency (Ether) into an "escrow" smart contract, which allows them to be instantly approved to bid on artwork at over 5,000 auction houses.

Senior Web Developer, Talk Fusion (07/15 - 03/18)

Accomplishments
- Built cool RTC applications including online conference and video chat applications.
- Designed large scale RESTful APIs & socket servers using Node, Express, and Socket.io.

Live Meetings (08/15 - 03/18)
- Developed & maintained a Flash-based (then later, WebRTC-based) online conferencing application including support for streaming up to 16 video feeds, screen sharing, slide-based presentations, in-line chat with emoji support, whiteboard drawing, file sharing, and more
- Wrote front-end application in AngularJS 1.5, CoffeeScript, Angular Material, and Stylus (CSS preprocessor).
- Wrote back-end API & Socket Server in Node, Express, and Socket.io

Video Chat (10/15 - 03/18)
- Helped develop WebRTC-based online video chat application including support for screen sharing and in-line chat
- Application also had a "group chat" section that allowed users to host chat rooms as well as "corporate" & "country" rooms managed by Talk Fusion
- Helped write front-end application in VueJS, Vue Material
- Helped write back-end API & Socket Server in Node, Express, and Socket.io

Product Dashboard (11/15 - 03/18)
- Developed & maintained a product dashboard that integrated legacy ASP applications as well as all-new modern web apps.
- Wrote a calendar app from scratch that allowed users to create & schedule Live Meetings with tons of additional features including recurring meetings, invitations & reminder emails, surveys, and custom backgrounds.

Mobile UI Developer III, Fossil Group (08/12 - 07/15)

Accomplishments
- Promoted from Mobile UI Developer II to Mobile UI Developer III in February 2015

Fossil Mobile (08/12 - 07/15)
- Developed & maintained global ecommerce mobile site from scratch

- Worked in collaborative multi-team environment and became main point of contact for all mobile issues
- Helped significantly increase[1] mobile traffic & sales by optimizing site for mobile usability and adding features such as ratings & reviews, product recommendations, and Paypal payments

Fossil Concessions (10/12 - 07/15)
- Developed AWS-hosted backend for iPad app used to log transactions, track timesheets, manage inventory and more in Asian & European Fossil stores
- Developed RESTful PHP API that processes thousands of transactions a day
- Interfaced directly with business partners in both Asia & Europe to help expand the app to over 500 stores worldwide

Skagen Mobile (05/14 - 01/15)
- Helped developed *My Account* & *Checkout* areas for Skagen mobile site
- Worked with 3rd-party vendor to integrate our commerce pages and their CMS-based pages into one cohesive site

Senior Web Developer, Gratitude Point, Inc. (06/09 - 07/12)

ThankYouHub
- Primary implementer of a feature rich social network for tracking and returning favors
- Implemented features include Profiles, 2-way "friendships" between members, members' currency accounts, Facebook and Twitter APIs, Facebook-style notifications, etc…
- Used LAMP, MySQL, Perl, JS, JQuery, JQuery plugins (custom, too), HTML, CSS3, ImageMagick, ffmpeg

Senior Web Developer, TechElegance LLC. (11/11 - 07/12)

ReferDigital
- Developed an external lead tracking system
- Used cookies to track clicks on affiliate links
- Used CodeIgnitor (PHP) & JavaScript

Sprung Footwear
- Converted Photoshop design to fully functional web page by hand
- Used HTML5 & jQuery

Give Take Test
- Acted as sole web developer to create full-featured creating and quiz-taking web app from scratch

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[1] I wish I had real numbers for this. I think our mobile traffic increased something like 30% from 2013-2014 but don't quote me on that.

- Created rich, interactive, and dynamic forms that make heavy use of AJAX & jQuery
- Created custom MVC-type Perl framework from scratch
- Wrote complex MySQL queries to support multiple users taking multiple quizzes, etc…

Web Developer, Southern Methodist University (08/10 - 05/11)

SMU Daily Mustang
- Acted as sole web developer
- Created RSS feeds, small graphics, various other CMS-related chores, custom pages
- Used WordPress, HTML, CSS, trivial JavaScript

Web Developer, Mid Cities Classics, Inc. (07/10 - 08/10)

Mid-Cities Classics
- Acted as sole web developer
- Converted Photoshop design to fully functional, dynamic website coded entirely by hand
- Implemented entirely AJAX-based navigation while preserving browser forward/back buttons
- Used HTML, JavaScript & jQuery, AJAX, and a dash of PHP

References

Rob Edgell
Senior Manager of Connected Accessories, Fossil Group
469-730-7534 (redgell@fossil.com)

Jennifer Tune
Senior Manager of Retail Mobility Development, Fossil Group
469-587-2911 (jtune@fossil.com)

Ryan Page
Chief Technical Officer, Talk Fusion
469-404-7483 (ryanpager@gmail.com)