Web/Software Engineer + IoT enthusiast

**Over 20 years as a web engineer using the latest tools, databases, and frameworks to build responsive, accessible, well-architected sites.**

**Lacy Morrow Morrow**

[704.451.6680](tel:704-451-6680)

[www.lacymorrow.com](http://lacymorrow.com/)

[me@lacymorrow.com](mailto:me@lacymorrow.com)

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|  | **EXPERTISE** | Full-stack web Software Engineer. Project/Tech lead, Backend network engineer, Database admin, DevOps, Web & SEO consultant, Tech interviewer. SCRUM trained |
| **DEVELOPER**  **EXPERIENCE**  *Continued below...* | **2017 - 2023**  [Twilio](http://www.apple.com) | **Senior Web Engineer**  In charge of [twilio.com](http://twilio.com) and all sub-sites. Managed and lead multiple projects, created a React design system, built the [SIGNAL HackPack v4 badge](https://hackpack.cc/). Localization/Realization. Launched WhatsApp, Studio, Flex, products. Implemented testing, migrated blog and legal to a CMS. Work on-call shifts in case of emergency.  TypeScript, NodeJS, ReactJS, Docker, Python, Django, Wagtail, PHP, Wordpress |
|  | **2016**  [Long Game](https://www.truist.com/long-game) | **Web/React Native Developer**  Contract - Helped create a startup's initial mobile app: React web-app and second-iteration React Native app for IOS and Android; Saw first launch to 100+ beta users AWS; NodeJS; Docker; SequelizeJS; React Native |
|  | **2014 - 2015**  [10Up](http://www.apple.com) | **Senior Web Engineer**  Took on every role and responsibility of designing, creating, implementing, deploying, and maintaining a plethora of websites for numerous clients including: Microsoft, Uber, AARP, and Beasley Media.  PHP; WordPress; SASS; Webpack; AWS; Google Analytics; NodeJS; Electron; Docker |
|  | **2016 - 2017**  **Flymore** | **Co-Founder / Director of Engineering**  Hosted a camp for kids to build FPV drones with a focus on teaching kids about basic software & electronics. Hosted first drone race in Charlotte, NC: qualifier for Drone Nationals. Developed software to livestream 4 analog streams; Co-founded with Miller Morrow, Brother. Website, Identity and Academy website.  NodeJS; ReactJS, GraphQL, Youtube API, WordPress, PHP |
|  | **2016**  [Yahoo!](http://www.apple.com) | **React Developer**  Contract - Built several React components on a Yahoo stack for the Search and Branded Marketing teams using Tumblr as a data serve API.  OpenStack; Apache; Linux; NodeJS; ReactJS, Electron, NW.js, Selenium |
|  | **2014 - 2015**  [Invitae](http://www.apple.com) | **Software Engineer**  Created and maintained HIPAA-compliant back office software, data science tools, and analytics software as well as the public-facing invitae.com; UX/UI Developer - Developed navigation, modals, and interactions; Made custom WordPress theme; DevOps - Managed database health, configured continuous integration instances, web-hooks, bi-weekly deployments. Created an automated Selenium testing workflow; Tech Interviewer.  Python, PHP, MySQL, Django, Flask, Angular, Backbone, React, WordPress, ElasticSearch, NightwatchJS,Mercurial, Docker, Jenkins, Splunk, Apache, AWS EC2, Linux |
|  | **LANGUAGES**  *All of them lol* | JavaScript/TypeScript *+ frameworks: React/Svelte/Astro* : *Expert*  Frontend: HTML/CSS/SCSS/SASS *+webpack/vite* : *Expert*  Backend: Node / Python / PHP : *Expert*  Functional: Haskell / F# / Prolog : *Enough*  Other: Actionscript / Java / C / C# / C++ : *3-6+ years* |
|  | **TOOLS** | TypeScript, React, Svelte, Angular, Vue, NodeJS, NextJS, Docker, Wordpress, Django, Wagtail, build tools, Webpack/Vite, CI/CD, REGEX, Git, MySQL, PostgreSQL, MongoDB, Jenkins, Photoshop, Linux, AWS, Selenium, RPA, JQuery |
| **PERSONAL** | **QUALITIES** | Tech leader. Passionate about quality. Communicative and accessible. An architect, problem-solver, self-starter, highly motivated, eager to learn, team player, reliable, confident. Not afraid to lead/take charge. |
|  | **INTERESTS** | IoT enthusiast, eectronics engineering hobbyist, action drone media building & racing drones, hiking, hardware development, problem solving, novel user interaction. |
|  | **EDUCATION** | 2009 - 2014  Appalachian State University : Bachelor’s of Computer Science |
| **OPEN-**  **SOURCE** | **2015**  [CrossOver ★](https://github.com/lacymorrow/crossover) | **[CrossOver: CrossHair Overlay](https://github.com/lacymorrow/crossover)**  Electron Cross-platform custom crosshairs for PC video games. Featured in the Windows app store and Snapcraft store [lacymorrow.github.io/crossover](http://lacymorrow.github.io/crossover) |
|  | **2015**  [NPM Libraries](https://www.npmjs.com/~lacymorrow)[★](https://www.npmjs.com/~lacymorrow) | **[Collection of Open-Source NPM Libraries](https://www.npmjs.com/~lacymorrow)**  album-art | movie-art | movie-info | movie-trailer; etc thousands of weekly downloads |
|  | **2015**  **Cinematic** | **[Cinematic: Desktop Movie Organizer](http://lacymorrow.github.io/cinematic)**  NodeJS + Meteor desktop app: Movie organizer and player; Meteor, MongoDB |
|  | **2014**  [Casper ★](http://lacymorrow.com/casper/) | **[Casper: A Ghost-like WordPress theme](http://lacymorrow.com/projects/casper)**  WordPress port of the popular Ghost theme, Casper; Custom PHP WordPress theme. |
|  | **2012**  **XPlay.js** | **XPlay: HTML5 Audio + Video Player**  Javascript & HTML5 media player; Backend Python/PHP file/playlist generator |
|  | **2006**  [XSPF Jukebox ★](http://lacymorrow.github.io/xspf-jukebox/) | **[XSPF Jukebox: Flash Audio + Video Player](http://lacymorrow.github.io/xspf-jukebox)**  Flash media player & plugin. Widespread use on popular websites and packaged with PHP framework SocialEngine; Python/PHP backend playlist generation. |
| **FREELANCE EXPERIENCE** | **2012 - 2016**  **Phase2 Productions** | **[kimbrattain.com](https://www.kimbrattain.com/)**  Complete web design & development for Phase2 and Kim Brattain Media. Developed custom WordPress theme. Linux, Apache, MySQL, PHP, WordPress |
|  | **2015**  **Hold Me Tight Charlotte** | **Holdmetightcharlotte.com**  Complete web, identity, design, and development. Developed custom WordPress theme; Linux, Apache, MySQL, PHP, WordPress |
|  | **2013**  **Boone Community Network** | **Boonecommunitynetwork.com**  Complete web design & development. Created custom social network developed for the city of Boone, NC; Linux, Apache, MySQL, PHP, SocialEngine |
|  | **2012**  **Cosmic Cart** | **Cosmiccart.com**  Created custom email notification system, authentication system, splash page for product launch; Linux, Apache, MySQL, PHP |
|  | **2012**  [Charlie](http://charliesvision.com/)**[’](http://charliesvision.com/)**[s Vision](http://charliesvision.com/) | **[charliesvision.com](http://charliesvision.com)**  Complete web identity, design, and development. Created web presence for a charity fundraiser; Linux, Apache, MySQL, PHP |
|  | **2012**  **Mission Film Works** | **Missionfilmworks.org**  Complete web, identity, design, and development. Developed custom WordPress theme. Linux, Apache, MySQL, PHP, WordPress |
|  | **2012**  [Rae Images](https://www.raeimages.com/) | **[raeimages.com](http://raeimages.com)**  Complete web design & development. Developed custom WordPress theme. Linux, Apache, MySQL, PHP, WordPress |
|  | **2012**  **Nicholson Yoga Therapy** | **Nancynicholsonyogatherapy.com**  Complete web, identity, design, and development; Linux, Apache |
|  | **2012**  [All Seasons AC & Heating](https://allseasonsacandhtg.com/) | **[allseasonsacandhtg.com](http://allseasonsacandhtg.com)**  Redesigned existing website and added CMS features; Linux, Apache, MySQL, PHP |
|  | **2012**  **Invision Mirrors** | **Invisionmirrors.com**  Complete web design & development. Developed custom WordPress theme. Linux, Apache, MySQL, PHP, WordPress |
|  | **2011**  [Patterson Air](https://gopatterson.com/) | **[gopatterson.com](https://gopatterson.com/)**  Redesigned existing website. Created seasonal advertising campaign, Apache, PHP |
|  | **2011**  [Hinson Mechanical](https://www.hinsonmechanical.com/) | **[hinsonmechanical.com](http://hinsonmechanical.com)**  Complete web design & development; Linux, Apache, PHP |
|  | **2011**  [American Comfort](https://americancomfortsolutions.com/) | **[americancomfortsolutions.com](http://americancomfortsolutions.com)**  Redesigned website and built on Joomla! CMS. Created advertisements; Linux, Apache, MySQL, PHP, Joomla! |
|  | **2010**  [Effective Media Solutions](https://myeffectivemedia.com/) | **[myeffectivemedia.com](http://myeffectivemedia.com)**  Complete web, identity, design, and development. Flash website with HTML fallback; Linux, Apache, Flash |
|  | **2009**  **Phase2**  **Productions** | **Phase2productions.info**  Complete web, identity, design, and development. Created custom Flash video player; Linux, Apache, PHP, Flash |
|  | **2009**  [Susan Morrow](https://www.susanmorrow.us/) | **[susanmorrow.us](http://susanmorrow.us)**  Complete web, identity, design, and development; Linux, Apache |
|  | **2008**  **College Career Advisors** | **Collegecareeradvisors.com**  Complete web, identity, design, and development; Linux, Apache |
|  | **2008**  **Blue Ribbon Recipes** | **Barbstrickler.com**  WordPress setup and customization; Linux, Apache, MySQL, PHP, WordPress |
|  | **2006**  **IAC Music** | **Iacmusic.com**  Custom Flash media player & photo slideshow for artist pages; Flash, MySQL, PHP |
| **DEVELOPER**  **EXPERIENCE**  *...Continued* | **2023**  [Luminai](http://www.apple.com) | **Senior Web Engineer - Browser Extension**  Contract Full-Stack Web Developer - Helped create foundational internal apps and build process for a browser extension using RPA automation, React, SASS, Docker |
|  | **2010 - 2014**  [Appalachian State University](https://www.appstate.edu/) | **Full-Stack Web Developer**  Full-Stack Web Developer - Built internal websites and scheduling software. Helped develop back office software. Created custom CMS framework with PHP, Postgres used by all campus web pages; DevOps - Managed database and handled deployments. PHP, Python, Postgres, MySQL, PHPWebsite, PHPUnit, Git, Apache |
|  | **2010**  [Red Ventures](https://www.redventures.com/) | **Web Design Intern**  Front-End Web Developer - Created 10+ branded advertising websites and unique user interactions; Sliced Photoshop files to create HTML emailsPHP, MySQL, Linux |