**Lacy Morrow**

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Web engineer + open-source developer + IoT enthusiast

**Over 20 years as a Web Developer building accessible, well-architected sites and apps.**

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|  | **EXPERTISE** | Full-stack developer + Hardware Engineer; Tech/Development lead; Product/Project manager; DevOps; IT consultant; Software architect; Hiring manager; SCRUM master  I especially enjoy **TypeScript**, **React**, **NextJS**, and **Electron/Tauri** |
| **DEVELOPER**  **EXPERIENCE**  *Continued below...* | **2025**  [Credit Karma](https://creditkarma.com) | **Full-Stack Next.js Developer**   * Contract - Created the entire **User Testing dashboard** for Credit Karma for the User Management team. Converted pages router to App router. Built features for creating test/production users across the **web and mobile** experience. Included search and metrics coordinated across multiple system APIs. * TypeScript, **NextJS**, React, Tachyons, **React Native** |
|  | **2024**  [Novant Health](https://novanthealth.org)  [Red Ventures](https://www.redventures.com/) | **Full-Stack Next.js Developer**   * Contract - Build and maintained **Physician Finder,** Matcher,and landing pages   sites for Novant to locate doctors. Legacy code was sunsetted and new, modern  websites were built using TypeScript, **NextJS**, and **Vue,** tooled with Datadog/Netlify. |
|  | **2024**  [OptumRX Health](https://www.optum.com/)  [Red Ventures](https://www.redventures.com/) | **Senior React Developer**   * Contract - Created **E-commerce** site for RVO Health. Built the market, inventory, authentication, and ordering systems. complete with automation pipelines. * TypeScript, NextJS, React, **Contentful, Plytix, Stripe**, **Algolia.** |
|  | **2023**  [Swell Energy](https://www.swellenergy.com/) | **Lead Web Developer - Grid Services**   * Contract - Developed charts, dashboards, **control panels to** **manage solar and power utilities** in southern California and Hawaii. Authentication, API, UI, CRUD. * TypeScript, **NextJS**, React, **Python**, **Django**, Docker, **PostgreSQL.** |
|  | **2022**  [Viasat](http://www.viasat.com) | **Senior React Developer - In-Flight Entertainment**   * Contract -Managed in-flight entertainment portals for dozens of airlines. On-call. * In charge of **workflow management** and **client-stakeholder relations**. Demoed product updates to stakeholders. Transformed polished designs into reusable components. **React**, **TypeScript**, **NextJS,** Jenkins, AWS, MySQL. |
|  | **2017 - 2021**  [Twilio](http://www.twilio.com) | **Senior Web Engineer - Brand Team**   * 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/). * Launched WhatsApp, Studio, Flex, products. Localization/Regionalization. * Implemented testing, migrated blog and legal to a CMS. Worked emergency on-call. * **TypeScript**, **React**, **Docker**, Python, Django, Wagtail, PHP, WordPress, **i18n.** |
|  | **2016**  [Yahoo!](https://www.yahoo.com/) | **React A11y Engineer - Accessibility Team**   * **AWS**; NodeJS; **Docker**; SequelizeJS; **React Native** 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](https://www.invitae.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. |
| **PERSONAL** | ❤️ **TECH STACK** | *frameworks: React/Next.js/Svelte/Astro/Vue*  Frontend: TS / JS / HTML / CSS / SASS : *Expert*  Backend: Node / Python / PHP / Rust / Swift / Go: *Expert* Platform: Electron / Tauri / React Native / Flutter: *Expert* |
|  | **INTERESTS** | FPV drone racing, cross-platform development, IoT devices, electronics engineering, 3D-printing, hardware development, problem solving, novel user interaction. |
|  | **QUALITIES** | Tech leader. Passionate about quality. Communicative and accessible; Reliable, confident, and eager to build. A highly motivated problem-solver. |
|  | **EDUCATION** | **B.S. Computer Science**  2009 - 2014 | Appalachian State University |
| **OPEN-**  **SOURCE** | **2024**  [Uibrary ★](https://uibrary.com) | **Uibrary: Live Collections of UI Component Libraries**  UI libraries (like shadcn) presented in live, dynamic fashion. Available to remix or install. |
|  | **2015**  [CrossOver ★](https://github.com/lacymorrow/crossover) | **CrossOver: CrossHair Overlay**  Electron Cross-platform custom crosshairs for PC video games. Featured in the Windows app store and Snapcraft store. |
|  | **2014**  [Casper ★](https://casper.lacymorrow.com/) | **Casper: A Ghost-like WordPress theme**  WordPress port of the popular Ghost theme, Casper; Custom PHP WP theme. |
|  | **2006**  [XSPF Jukebox ★](https://xspf-jukebox.vercel.app/) | **XSPF Jukebox: Flash Audio + Video Player**  Flash media player & plugin. Widespread use on popular websites and packaged with PHP framework SocialEngine; Python/PHP backend playlist generation. |
| **CLOSED-**  **SOURCE** | **2025**  [Juno AI ★](https://junebug.ai) | **Juno AI: Voice-Operate Your Computer**  Rust + Tauri Desktop app built on OpenAI Whisper and Anthropic Computer-use. |
|  | **2024**  [Shipkit ★](https://shipkit.io) | **Shipkit: Next.js Accelerator**  Full-featured Next.js Starter and toolkit for building, launching, and monetizing MVPs. |
| **HARDWARE** | **2018**  [Twilio Hackpack](https://hackpack.cc/) | **Twilio Hackpack v4**  Twilio's Open Source Hardware Badge, built for SIGNAL Conference 2018. Joystick, lights, 7 buttons, a touchscreen, on a Raspberry Pi Zero, in a 3D-printed case. |
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| **DEVELOPER**  **EXPERIENCE**  *...Continued* | **2023**  [Lumenai](https://www.luminai.com/) **(Startup)** | **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 * Created dynamic robust UI screens React, Typescript, Jest, automated deployments, and self-built CI/CD. **The company saw a 15% rise in productivity and experienced 35% growth in 6 months.** |
|  | **2023**  TekSystems | **React Developer**   * Government contract with the VA. * Built health medicine tools + calculators to lessen the amount of information patients had to fill out and help physicians get accurate stats about health issues. |
|  | **2016 - 2017**  **Flymore (Startup)** | **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 FPV feeds**; * Co-founded and created Flymore LLC Web Identity and Academy website. * OpenStack; **Apache**; Linux; **ReactJS**, **GraphQL**, Youtube API, WordPress, PHP |
|  | **2016**  [Long Game](https://www.truist.com/long-game) **(Startup)** | **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](https://10up.com/) | **Senior Web Engineer - Electron Team**   * 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. * Docker; **Electron;** PHP; WordPress; SASS; Webpack; AWS; Google Analytics |
|  | **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 |
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| **FREELANCE EXPERIENCE** | **2023**  **Taesanti** | **[taesanti.com](https://www.taesanti.com/)**  Complete web design & development for local community organization. **Shopify** |
|  | **2022**  **Space Monkey Films** | **[spacemonkeyfilms.us](https://www.spacemonkeyfilms.us)**  Complete web design & development for Drone Media company in SF. **Wix**, WP |
|  | **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 (Startup)** | **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**  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; NextJS, React, Vercel |
|  | **2008**  [College Career Advisors](http://Collegecareeradvisors.com) | **[Collegecareeradvisors.com](http://Collegecareeradvisors.com)**  Complete web, identity, design, and development; PHP, 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 |
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| **PERSONAL** *...Continued* | **TOOLS** | TypeScript, NextJS, React, React-Native, React Query, Svelte, Electron, Angular, Astro, Vue, NodeJS, JavaScript, Docker, Wordpress, Flask, Django, Wagtail, build tools, Babel/Webpack/Vite, CI/CD, REGEX, Git, SQL, MySQL, PostgreSQL, MongoDB, Jenkins, AdobeCC, Figma, Linux, AWS, SQS, SNS, Lambda, Cloudflare, Azure, Selenium, DNS, RPA, JQuery, Bootstrap, Tailwind, Sass, Scss, Micro-services Other: Actionscript / Java / C / C# / C++ / Haskell / F# / Prolog |
|  | **INTEGRATIONS** | Contenful, Stripe, CommerceTools, Plytix, Algolia, Mielisearch, PagesCMS, SanityCMS, TinaCMS, Wordpress, Django, Wagtail, Laravel, CakePHP, Drupal |
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| **OPEN-**  **SOURCE**  *...Continued* | **2022**  [React Libraries](https://www.npmjs.com/~lacymorrow) | **React Component Libraries**  Open-source component libraries for react.  react-ruffle | react-is-online-context | react-github-readme-md |
|  | **2015**  [NPM Libraries](https://www.npmjs.com/~lacymorrow) | **Collection of Open-Source NPM Libraries**  album-art | movie-art | movie-info | movie-trailer; etc thousands of weekly downloads |
|  | **2015**  **Cinematic** | **Cinematic: Desktop Movie Organizer**  NodeJS + Meteor desktop app: Movie organizer and player; Meteor, MongoDB |
|  | **2012**  **XPlay.js** | **XPlay: HTML5 Audio + Video Player**  Modern Javascript & HTML5 media player; Node/Python/PHP file/playlist generators |