# Lacy

Web/Software Engineer + IoT enthusiast

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

### 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**

#### Senior Web Engineer

In charge of twilio.com and all sub-sites. Managed and lead multiple projects, created a React design system, built the SIGNAL HackPack v4 badge. 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**

#### 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**

#### 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!**

#### 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**

#### 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.

References available upon request. For a complete portfolio please visit lacymorrow.com

| | | |
|---|---|---|
| **INTERESTS** | | IoT enthusiast, eectronics engineering hobbyist, action drone media building & racing drones, hiking, hardware development, problem solving, novel user interaction. |
| **EDUCATION** | | 2009 - 2014<br>Appalachian State University : Bachelor's of Computer Science |

**OPEN-SOURCE**

**2015**
**CrossOver ★**
### CrossOver: CrossHair Overlay
Electron Cross-platform custom crosshairs for PC video games. Featured in the Windows app store and Snapcraft store lacymorrow.github.io/crossover

**2015**
**NPM Libraries ★**
### 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

**2014**
**Casper ★**
### Casper: A Ghost-like WordPress theme
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 ★**
### 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.

**FREELANCE EXPERIENCE**

**2012 - 2016**
**Phase2 Productions**
### 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's Vision**
### 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**
### 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**
### 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**

### gopatterson.com
Redesigned existing website. Created seasonal advertising campaign, Apache, PHP

**2011**
**Hinson Mechanical**

### hinsonmechanical.com
Complete web design & development; Linux, Apache, PHP

**2011**
**American Comfort**

### americancomfortsolutions.com
Redesigned website and built on Joomla! CMS. Created advertisements; Linux, Apache, MySQL, PHP, Joomla!

**2010**
**Effective Media Solutions**

### 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**

### 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**

### 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**

### 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**

### 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

References available upon request. For a complete portfolio please visit lacymorrow.com