


# Charney Kaye

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20 years of experience designing and building digital media technology products from user experience to operations engineering, from minimally viable to Fortune 500.

Self-actuated, accountable engineer brings transformative leadership to every challenge, tenacious about realizing the best outcome, transparent, disciplined, and thorough in delivering consistently phenomenal results via service, and a growth mentality.

## Skills

**MEDIA** Audio Engineering, Typography, Graphic Design, Illustration, Film, Animation, Interactive Design, Adobe Photoshop, Illustrator, Audition, Premiere, AfterEffects, XD, InDesign, Ableton Live.

**SOFTWARE DEVELOPMENT** **React Native** (et al. JS frameworks), JavaScript, Java, Objective C, C++, Responsive Web, SCSS/SASS, HTML5, Canvas, Phaser, Unreal, Supercollider, Max/MSP/Jitter, WebAudio, Dash/HLS, OpenGL, GNU/Linux, BSD/macOS, Windows, Security, Virtualization, Databases, Streaming, Distributed systems, Prototyping, & Minimally viable production, Version Control, CI/Deployment, Encryption, Blockchain.

## Work

**XJ music ([xj.io](http://xj.io))** — **Founder, Creative Director, Information Architect, Software Developer** *2016– Present*

- Founded and currently leading a virtuosic team, including law, finance, communications, and a group of musicians composing music in our new algorithmic medium, designed to change continuously, without repeating.
- Author [U.S. Patent 10,446,126](#) for System for Generation of Musical Audio Composition streaming live 24/7.
- Architect, manage, & implement the construction of an enterprise-grade HLS broadcasting system.
- Design & implement a React Native app for iOS and Android with HLS audio streaming and In-App Purchases.
- Create and maintain an online cloud platform for ongoing collaborative music composition.
- Strategy and creative direction to develop the first artists and channels in an entirely new medium.
- Focus testing our React Native app continuously across multiple channels, working directly with customers to improve the product and tighten our value delivery loop, and optimize the subscription funnel.
- Runs independently, with the founder in a service role, maintaining business and software operations.

**Goodwater Capital ([goodwatercap.com](http://goodwatercap.com))** — **Information Architect, Software Developer** *2019– 2021*

- Collaborated with analysts to build services supporting their daily work and portfolio company operations.
- Architected & implemented distributed streaming microservices to curate millions of deals to streamline mobility.
- Led pod information architecture, collaborating with front-end engineers for API design.
- Triaged and refactored only the successful processes from the 1M line POC Java monolith.
- Collaborated closely with React front end developers on an extraordinarily complex API.

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**CredSpark ([credspark.com](http://credspark.com))**— **Creative Director, UX Researcher, UI Designer**

2012– 2019

- Researched & developed paradigm-breaking UI enhancements to increase value captured by existing users.
- Collaborated with the founder on brand fundamentals, information architecture, and industrial design.
- Designed the company logo, trade show environments, digital optics, and merchandise.
- Rapidly prototyped minimally viable products to gain early traction for a 2-sided platform.

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**Signal Digital ([signal.co](http://signal.co))**— **Software Developer**

2014– 2017

- Full-stack operator on a Skunk Works team that repeatedly reduced week-long workloads to minutes.
- Built dashboards & operational tooling for 70+ engineers maintaining 6σ uptime for over 1T transactions per day.
- Fully rebuilt the frontend of an acquired email marketing platform as part of the main product with core branding.
- Implemented React frontend for enterprise products to leverage complex segmenting of 1st-party datasets.

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**Wendr ([wendr.com](http://wendr.com))**— **Co-founder, Creative Director, Information Architect**

2011– 2014

- Collaborated with the founder to realize their early creative vision and raise seed money.
- Led UX research, development, and technical operations for our launch at SXSW.
- Designed brand, logo, trade show environments, product packaging, and event production.
- Partnered with **AB InBev** on a consumer engagement module for the *Grab Some Buds* campaign.

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**Freelance ([charneykaye.com](http://charneykaye.com))**— **Hybrid Art Direction & Software Development**

- Directed, edited, & animated music videos and advertisements and produced electronic music.
- Created a Phaidon-featured online platform for **David Blaine**, receiving 300K fan messages during a 7-day stunt.
- Designed & built projects at **Big Spaceship, Foundry9, Cheil, 360i, Transistor Studios, Smuggler, and RadicalMedia.**
- Directed, designed, & animated a U.S. Department of Justice PSA aired on **Oxygen, NBC, and CBS.**
- Collaborated directly with the CEO of **Stetson** to overhaul the 150-year-old brand with a dynamic web platform.
- Wrote the viral video **Colgate Wisp: Quick Draw**, recognized among the first consumer engagement campaigns.
- Designed and built an internal compliance training platform for **AIG.**
- Art directed digital campaigns for **Kraft** brands, including **Lunchables, Philadelphia, and Tassimo.**
- Implemented HTML5 animation working on campaigns for **Nintendo** and **Hewlett-Packard.**
- Designed & developed online advertising for **Activision, Chase, Columbia, Freddie Mac, Sallie Mae, and Samsung.**

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**Education**

**Bachelor of Arts, Film & Music**, NYU Tisch, Maurice Kanbar Film & TV, and Clive Davis Institute of Recorded Music

**Bachelor of Science, Business**, University of Phoenix

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**Creative Portfolio**

**Outright Mental ([outrightmental.com](http://outrightmental.com))** Comprehensive portfolio containing independent art projects.

**XJ music Merchandise ([xj.io/merch](http://xj.io/merch))** Designed in-house and manufactured to promote our company mission and brand

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**Free Software**

**Calendar HUD ([agendar.outright.io](http://agendar.outright.io))** connects to Google Calendar to heads-up display upcoming events.

**Clock HUD ([clock.outright.io](http://clock.outright.io))** is a simple display of a full-screen 24-hour clock in your browser.

**Music Theory ([outright.io/mt](http://outright.io/mt))** and **Audio Mixer ([outright.io/am](http://outright.io/am))** are highly rated libraries featured in awesome-go.