

R. Spencer Fink

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EXPERIENCE

Meta | Software Engineer

April 2020 – Present

- **Rights Manager** - Protecting media IP rights and enabling creators to monetize their content.
 - **Project Go Dark:** Led the development of a compliance framework that enabled instant content blocking and muting across all media usage within the Meta family of apps. This solution ensured regulatory compliance and protected the company from potential violations of music licensing agreements, with no latency impact for end users.
 - **Matching Algorithm Improvements:** Spearheaded direction of next-generation media matching algorithms and performed integration into copyright protection tooling, an upgrade that enhanced media detection and cut annual hardware costs by over \$10M.
 - **Music Metadata Clustering:** Designed a system to resolve ownership conflicts, deduplicate database records, and streamline complex data models for efficient management in the music ownership space.
- **Horizon Creator Monetization** - Empowering and incentivizing creators in the horizon worlds metaverse.
 - **Creator Incentives Bonus Programs:** Designed, developed, and deployed two data-driven bonus programs that incentivized creators to build immersive worlds, driving mobile user engagement and increasing in-world purchases through monetary incentives for top creators.
 - **UI Shop:** Designed and developed a fully customizable in-game UI shop, streamlining in-game purchases and empowering both internal game designers and third-party creators with robust tools for creating and managing virtual storefronts.
 - **Career Mentorship:** Acted as a career mentor to four junior engineers, providing guidance on technical growth, project execution, and professional development.

DBOX | Full Stack Developer

September 2018 – April 2020

- Played a key role in the full web design and development lifecycle, by providing design input and executing development, hosting, troubleshooting and maintenance.
- Developed server-side tools using **Node.js** and **Express**.
- Deployed static sites with **AWS S3**, **EC2**, **CloudFront**, and **Route 53**.
- Streamlined development workflows with **AWS CodePipeline** and **Travis CI**.
- Collaborated with multidisciplinary teams, including graphic designers, UI/UX designers, and CGI artists.

Prizm Imagery | Owner Operator

April 2016 – October 2018

- Founded and managed a boutique photography and cinematography business, overseeing client acquisition, project execution, marketing, and financial operations.
- Delivered premium real estate visuals through professional shoots and advanced post-production editing using **Adobe Photoshop**, **Premiere**, and **Illustrator**.
- Built strong client relationships, driving repeat business and referrals through exceptional service and quality.

SKILLS

- **Languages:** JavaScript, Hack / PHP, SQL, Python, HTML, CSS, Ruby, C#, Bash
- **Technologies:** React.js, Git, Mercurial, Next.js, AWS, Node.js, Express.js, Unity, jQuery, Rails

EDUCATION

App Academy

August 2018

1000-hour immersive full-stack web development intensive with < 3% acceptance rate

Emerson College

May 2013

Bachelor of Arts in Film Production