

Matt Pengelly - Frontend Developer

Contact & Portfolio

Canada; Ottawa, Ontario

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I invite you to explore my GitHub profile: <https://github.com/mcpengelly>

or my personal webpage: <https://mattpengelly.com>.

Profile

Professional Summary:

Seasoned Frontend Developer with 9+ years of professional experience specializing shipping client apps. I have hands on experience contributing to codebases of major streaming apps like Warner Bros Discovery's "Max", HBOMax, LocalNow and NetworkTen. I've got proven expertise in building, scaling and internationalizing world class apps with millions of daily users. Most of my work has been with React Native, shipping to ios/android platforms, though I have worked on IOS apps with Swift in recent years.

Key Skills and Technologies:

- **Languages & Frameworks:** Swift, React/React Native, Typescript, Node.js
- **Tools & Platforms:** Charles Proxy, Git, Xcode, Android Studio, Simulators, CI/CD pipelines, JIRA, Confluence, Diagrams (Excalidraw)
- **Development Focus:** Client-side streaming apps, efficient rendering, memory management, API contracts, Real-Time Analytics, Unit Testing, Snapshot Testing, Integration Testing, Accessibility concerns, and more.
- **Collaboration:** ADDs & LADR, Code Reviews, QA Collaboration and a history of working with product & backend teams on API gateway contracts, deliverables

& directly with Real-Time Analytics and DRM. A Strong background in working with remote or local teams of varying sizes.

- Experience leading a development team of 10+ developers within a larger cross-functional group of 30+ members.

Professional Highlights:

- Key contributor to applications used by millions of monthly subscribers like HBOMax 90M active subs or "Max" with millions of daily active users, optimizing performance and user experience while ensuring scalable, maintainable codebases.
- Proven track record in efficiently picking up, navigating and improving complex codebases.
- Effective at following or implementing best practices like coding standards, documentation, to facilitate team collaboration.

Experience

Staff Software Developer

Warner Bros Discovery, Warner Media, You.i TV (through acquisitions)

August 2019 - October 2024 (5 years, 2 months) | Ottawa, Ontario

- Key contributor to the Max app (Warner Bros Discovery) for AppleTV, iPhone and visionOS. Was integral to its launch and subsequent global expansion, worked on: Profiles, International Consent Management, Migration, and more.
- 5+ years working with React Native on projects like HBOMax, LocalNow, NetworkTen (10play) streaming apps that was shipped internationally
- Played a crucial role in the development of HBOMax (Warnermedia) streaming apps for AppleTV, and Xbox. Specifically contributed to client-side code for dynamic content rendering, integration of parental controls in Kids Profiles, video player enhancements specifically AppleTV NowPlayingInfo API integration, among other contributions.
- As Tech Lead for the LocalNow streaming app for approximately one year, led a team of 40+ in delivering localized content across multiple platforms

(AndroidTV, AppleTV, FireTV, Roku, Android and iOS devices). Focused on advertising and video solutions, particularly for Roku and Android TV.

- React Native Developer for multi-platform video streaming applications, including Redbox and 10play brands, with an emphasis on React Native development.

Key Achievements:

- Over 130+ Merged Pull Requests for HBOMax, significantly contributing to its growth to over 90 million subscribers.
- Led the successful delivery of the LocalNow project, resulting in high app ratings and substantial downloads on both iOS (4.3 rating, 100k+ downloads) and Google Play (4.0 rating, 400k+ downloads).
- Actively involved in key architectural decisions and feature implementations, particularly for the HBOMax & Max projects.
- Demonstrated ability to a dynamic work environment with multiple company mergers while maintaining high-quality software development standards.

Software Engineering Sr. Technical Analyst - Kandy SDK Team at Ribbon Communications

1 year 1 month | Ottawa, Ontario

- Spearheaded front-end development for a Real-Time Communications SDK using JavaScript/ES6, WebRTC, and Redux, enhancing call, video, and messaging functionalities.
- Collaborated using Git, GitHub, and JIRA, adhering to Git-flow standards, and actively participated in code reviews and Agile methodologies.
- Developed and maintained the Developer Portal, employing JS, HTML, SASS/CSS, and Jekyll, and created comprehensive Confluence documentation for team use and onboarding.
- Streamlined development workflows through npm scripts for coding standards and bash scripts for task automation.

Software Application Developer at i-Sight Software

3 years 1 month | Ottawa, Ontario

- Led full-stack web development for enterprise solutions using NodeJS, BackboneJS, and RESTful services.
 - Utilized JavaScript, NodeJS, PostgreSQL, and various front-end technologies; experienced in Java, XML, and LotusScript.
 - Practiced Agile/Scrum and used JIRA for project management, focusing on database management and web app maintenance.
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Education

Game Development Advanced Diploma in Computer Programming

Algonquin College of Applied Arts and Technology (2010 – 2014)

- Developed skills in C#, JavaScript, ObjectiveC, and ActionScript.
- Trained in graphics programming, 3D modelling, UI design, and project management.
- Focused on SVN version control and project development life cycle.