

Edward P. Kelly

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Accomplished senior software engineer with well over a decade of experience developing desktop applications, mobile applications, and web-based video players and video experiences. Industry experience includes the entertainment and media industries, pharmaceutical advertising space, the banking sector, and the telecom industry. Possesses strong communication skills to collaborate across all business levels while effectively delivering complete and competent user interface solutions. Highly personable and self-motivated professional who is capable of learning new technologies on-the-job and who is able to work among diverse groups and handle complex problems effectively.

Experience

NBC Universal, Englewood Cliffs, NJ

JavaScript/React/Node Software Engineer • February 2012 - Present

As a senior member of the Video Player Team I am responsible for the delivery, the successful playback, and the overall user experience of both video on demand (VOD) and linear (Live) video to desktop browsers and handheld devices.

Key Accomplishments:

- While working in an Agile project environment, following a 2-week Sprint cycle, deliver custom-configured video players, supporting media and player components, page side enhancements, create services and libraries to facilitate playback, and provide knowledge transfers and support to all of NBCUniversal's properties, brands, and partner websites.
- Constructed a custom demo/testing page for the NBC Uni OneApp initiative to demonstrate playing/streaming the live/linear video of many of NBC's channels/brands. Using Bootstrap for responsive design and the Adobe Access Enabler for authentication/authorization, demonstrate the playback of Live TV streams with the ability to switch channels as well as switching to another geo-located stream (east/west coast), when available. Technologies utilized: Bootstrap, React, react-redux, webpack, webpack plugins, webpack dev server, node.js, npm, Babel, JavaScript, CSS.
- Constructed a custom view plugin for our largest video player product. Starting from a custom design spec provided by internal design team built a React player controls layer (play/pause, scrubber, volume control, captions) with custom player hover views, end of video views, and filmstrip feature. Technologies utilized: React, npm, node.js, react-redux, webpack, Babel, styled-components, JavaScript, CSS.
- Create custom player plugins using JavaScript for advertising campaign delivery, metrics reporting, TV ratings information, and custom video player solutions; such as custom user interface solutions.
- Work closely with clients and vendors in order to integrate specialized solutions into the video player; including Comcast Technology Solutions, Adobe, Akamai, FreeWheel, Google-Anvato, and Conviva.
- Utilized Github to manage source code, code releases, collaborate with the team, and solve conflicts.
- Integrated Github with SonarQube for code quality and Jenkins for automated deployments.

MCG Strategic, Audubon, NJ

Flex Developer/ActionScript Mobile Apps Developer • June 2011 - June 2012

Led a DevOps team to create the company's first series of mobile application products. Produced cutting edge mobile apps designed to be deployed on the iOS and Android platforms.

Key Accomplishments:

- Lead Flex/AIR developer on a Flex mobile application to track user's daily health conscious activities.
- Development of custom mobile views including a calendar/history view, a daily view for viewing completed activities on that day, and a user information screen for authenticating users.

- SQLite database integration for storing a user's daily activities data and logic that syncs this data with a remote database upon successful connection to data services (Wi-Fi, cellular, etc.).
- Created a custom industrial building materials marketing and estimating/calculation app in Adobe Flex/AIR targeted for Android/Google Play.
- Enforced code quality/control using Subversion (SVN).

Cline Davis & Mann, Princeton, NJ

Flash/Flex 3 Developer • April 2009 - June 2011

Developed a large, complex interactive streaming video 'episode' application that mimics emergency patient care through the use of a video portal. This application delivers streaming video to the user while requiring the user to interact with the application by questioning him/her on common healthcare decisions and polling their knowledge of correcting bleeding problems in compromised patients.

Key Accomplishments:

- Developed a custom Flash video player for a web based interactive video client that allows for streaming FLV movies and for requesting user input.
- Developed an ActionScript data services layer that communicates with JavaScript on the web page via ExternalInterface and allows communication with data services written in Java.
- Developed a custom kiosk application in Adobe Flex/AIR with a custom user data collection interface to be deployed on large panel displays.
- Created a custom Flex/AIR/SQLite data collection layer for a touch screen kiosk to be utilized at a drug/physician's conference.

NBC Universal, New York, NY

Flash/ActionScript Developer • February 2007 - April 2009

Developed Flash CS3 (Flash 9) and Flex 3 modules for use within the NBC WeatherPlus website.

Key Accomplishments:

- WeatherPlus.com Header Module. Module included an XML configuration file, CSS skinning, ability to allow visitors to dynamically save favorite locations (save feature uses ExternalInterface and JavaScript to update a browser cookie), dynamic switching between Fahrenheit and Celsius and predictive City, State text that is updated when a user begins typing into the Search field.
- WeatherPlus.com Top Stories Module. Module included an XML configuration file, CSS skinning and content that is consumed via an RSS feed.
- Developed a Flex 3 based video player that streamed local news video, weather alerts and weather forecasts.
- Developed a custom Flex 3 weather interface component that displayed weather forecasts including conditions, temperature, weather alerts and archived data. Included numerous custom views such as 3-Day, 5-Day, weekly and monthly views/forecasts.

America Online, New York, NY

Flash/ActionScript Developer • June 2005 - January 2007

Key Accomplishments:

- Developed numerous streaming video web applications in Flash/ActionScript 2 and MVC architecture.
- Custom Flash UI components.
- Custom poll/voting component for Grammy's 2006.
- Created a custom photo gallery application with custom UI elements, navigational aids and custom preloading, which loads elements and text from an XML file.

Education

Liberty University, Lynchburg, VA

Associate of Arts, Criminal Justice • GPA — 4.0

Skills

JavaScript

For the last several years I have been working mainly with JavaScript, node.js and React. Services that I use on a regular basis include:

- React
- React Redux
- Jest
- Express
- GitHub
- Jenkins
- Babel
- Webpack
- HTML5
- Bootstrap
- CSS
- Sass
- ES6
- JSON

Social Links

- **Github:** <https://github.com/edwardpkelly>
 - **LinkedIn:** <https://www.linkedin.com/in/epkelly/>
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