

# Patrick Angle

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PatrickAngleTheatrical.com

theatrical applications

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## Work History

	Company	Time
<b>Head of Software Design and Development</b> Responsible for both architecture and development of software utilized both in house as well as by external clients, including show control solutions, paperwork generation tools, and video playback software.	<i>WorldStage</i>	July 2019 – Present
<b>Technology Specialist</b> Creative sequencing in industry-standard media servers including disguise and Watchout, as well designing and programming show control systems, handling content workflows in theatrical production environments, and designing and QC'ing systems for media playback.	<i>WorldStage</i>	June 2017 – July 2019
<b>Freelance Technology Specialist</b> Creative sequencing with industry-standard media servers including disguise and Watchout, as well as handling content encoding and preparation in theatrical production environments.	<i>WorldStage</i>	June 2016 – June 2017

## Projects

		Released
<b>Waltz</b> Flexible, node-based, show control application for macOS, Windows, and Linux. Enables controlling and monitoring a variety of networked devices, including projectors, interactive LED processors, and media servers. In use across the country, including <i>Madison Square Garden</i> and <i>LaGuardia Airport</i> . Previously <i>The Cher Show</i> on Broadway.	<i>WorldStage</i>	January 2019
<b>Mosaic</b> Synchronized video playback on iOS and Android devices over wireless network. Support for remote management and updating of content over the network as well as synchronizing Watchout display clusters with the mobile devices.	<i>WorldStage</i>	April 2018
<b>GridBuilder</b> Plugin for Photoshop for test pattern and paperwork generation. Enables quick and reproducible creation of both both Projection and LED alignment grids, with wide style and label customization options.	<i>WorldStage</i>	June 2017
<b>OnStage</b> Sound effect and track playback for regional/school theatre and marching bands on iPad.	<i>Independent</i>	February 2014
<b>Stagehand</b> Theatrical lighting color swatch book app for iPhone.	<i>Independent</i>	April 2010

## Skills and Qualifications

### Software Development

Swift • Objective-C • Java • JavaScript • Cross-platform (macOS/Windows/Linux/iOS/Android) Apps  
Performance-sensitive Apps • TCP/UDP Networking • Git • Maven • Gradle • Ant

### Theatrical Tools

Vectorworks 2D/3D • d3 Media Server • WATCHOUT • QLab • MIDI/SMPTE Show Control  
Open Sound Control • Eos Lighting Consoles

### Additional

Lighting Design • Video Design • Reading Music • U.S. Driver's License • U.S. Passport

### BFA in Design and Production with a focus in Lighting Design (Class of 2017)

*University of North Carolina School of the Arts, Winston-Salem, NC*

## References

### Lars Pedersen

*Dir., Design and Development*  
WorldStage

### TJ Donoghue

*Dir., Integration*  
WorldStage

### Michael Kohler

*Head of Research and Development*  
WorldStage

Contact information is available upon request via email ([pangle@me.com](mailto:pangle@me.com)) or phone (812 344-7685).