

# John Pinkerton

## Full Stack Engineer

### Contact

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[johnthepink](#)

### About

Hey! I am a Full Stack Engineer living in Greenville, SC. Some technologies I have worked with include React, GraphQL, Docker, Ruby on Rails, NodeJS, and Meteor. At the end of the day, I just want a good problem to solve.

### Work

#### Wise Technologies

January 2019 - Present

Wise Technologies is an engineering consultancy based in Chicago, IL, mainly focused on building a payment processing platform for non-profits.

**Director of Engineering**

- Managed team of 6 engineers
- Led large initiative to remove obscure languages in favor of Typescript
- Scoped and architected engineering work
- Identified and oversaw significant performance enhancements
- Scaled to \$100 million yearly volume

**Senior Software Engineer**

- Helped build iOS, Android, and Web applications using React Native Web and ReasonML
- Automated infrastructure using Terraform
- Setup CI/CD service using Semaphore which automates the testing, building, and deployment of native and web applications
- Helped build GraphQL server in a microservices architecture using Node, Typescript, and Serverless
- Forked, revived, and added features to a React Native library for allowing Apple Pay payments

#### Spectrio / 10 Foot Wave

March 2017 - January 2019

Spectrio is a digital signage provider with nearly 20,000 connected devices.

**Lead Software Engineer**

- Coordinated efforts between distributed teams
- Led project to convert platform from Flash to HTML across company
- Developed tools for other developers to build on the new HTML platform

- Dockerized services
- Moved to ECS
- Established automated testing culture
- Refactored data aggregation server to be more efficient, resilient, and support more types of data
- Rooted Android device development
- Shipped many major features to CMS (advanced scheduling, media processing, etc)

## Grace Hill

December 2016 - March 2017

Grace Hill is an online training platform with 400,000+ active users.

### Senior Software Engineer

- Dockerized the application
- AWS SQS based background job processing
- Improved complex importing/exporting of data for administrators
- Improved release process
- Scheduled email automation based on user progress
- Enhanced data manager for easy importing/exporting
- Improved course completion logic
- Integration with third party API for course presentation

## NewSpring

March 2015 — November 2016

NewSpring is a large organization with 19 locations.

### Senior Software Engineer

- React/Meteor framework deployed to iOS, Android, and the Web
- GraphQL server providing single point of access to 3 different databases (MySQL, SQL Server, Mongo) and external services
- Migrated from Rackspace to AWS
- meteor-launch tool which packages apps for iOS, Android, Chrome, Windows, MacOS, Linux, and Fire OS
- <https://github.com/NewSpring/holtzmann>
- <https://github.com/NewSpring/heighliner>
- <https://github.com/NewSpring/ops-beegeeswithmachineguns>

## Bethel Music/WorshipU

November 2012 — March 2015

WorshipU is an online video-based worship/music school with 10,000 monthly students.

### Lead Developer

- Responsive large-scale Rails application
- Custom content management system
- Custom video hosting, transcoding, and streaming built on Amazon Web Services
- Discussion boards, live streams, etc.
- API for native apps

## Vybe iOS App

November 2011 — November 2012

Vybe is an iPhone application which aggregates content from bands and delivers it to music fans in a centralized place.

### Lead Developer

- Rails API
- Location-based concert search

- Aggregation of data from several APIs (iTunes, Jambase, YouTube, Bands In Town)
- Push notification alerts

## Notable Open Source Contributions

I love open source projects. Here are some of my own, as well as some that I have helped with.

- <https://github.com/johnthepink/react-native-payments>
- <https://github.com/apollostack/apollo-client>
- <https://github.com/sysgears/apollo-universal-starter-kit>
- <https://github.com/johnthepink/meteor-launch>
- <https://github.com/NewSpring/Holtzman>

## Talks

### CITN Conference

October 2016

I gave a talk at the 2016 CITN conference about React, the Javascript library by Facebook. It covered what it is, why you would want to use it, and a hands on section where we built a sample application.

### Crater Remote Conference

July 2016

At Crater Conf, I presented the [Launch](#) tool that I built for automating the building and deployment of Meteor Cordova applications to the iOS App Store, Google Play, Hockey, and more.

## Education

### Furman University

2007 – 2011

🎓 **Information Technology**  
Bachelor of Science