

Luke K. Patterson

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Work Experience

Mandolin

(Remote) Indianapolis, Indiana

Full Stack Engineer

October 2020 - Present

- Currently building the digital platform designed to help artists, venues, and fans connect through live music.
- Since starting my position, Mandolin has grown from 100K users to over 1M users, hosted more than 2K live shows, and has been awarded Best Live Streaming Platform in 2021 by Pollstar.
- Most of my time at Mandolin has been spent building the front end solution for a suite of tools used by artists & artist management, which includes virtual VIP Meet & Greet's that have been a strong revenue driver since its inception. My other contributions include scaling our live chat to support thousands of concurrent fans, creating an NFT marketplace for artists, optimizing conversions for merchandise sales during live shows, creating a reusable component library for chat, and integrating with third-party services such as AWS, Mux, Twilio, Shopify, Segment, Snowflake, Stream, and Rollbar.

Hyland Software Inc.

Westlake, Ohio

Developer 2 | Mobile Team

September 2019 - October 2020

- Released mobile applications that leverage modern technologies such as FaceID on iOS to over 20,000 lifetime customers
- Developed the front-end hybrid mobile strategy for user authentication including biometric authentication
- Implemented a single hybrid mobile application to replace the company's current suite of mobile applications across iOS and Android

Scrum Master | Hybrid Platform Team

March 2019 - October 2020

- Lead daily stand-ups, scrum ceremonies, and product demos
- Improved team velocity by working with Product Owners to groom and prioritize the backlog of work
- Reduced time to complete issues by tracking work and facilitating communication among teams within Hyland

Developer 1 | Hybrid Platform Team

June 2018 - September 2019

- Developed technologies on an international team to empower web applications to leverage the native capabilities of iOS and Android devices
- Implemented a hybrid web interface layer to send and receive communication between WebViews and native mobile devices

Software Development Intern | Mobile Team

Summer 2016 & 2017

- Developed a native iPad application for the Cleveland Metroparks Zoo & implemented modern features on existing iOS applications used by tens of thousands of customers

Education

John Carroll University

University Heights, Ohio

B.S. Computer Science

May 2018

Cumulative GPA: 3.72/4.0

Awards: Dean's List: 4 Years, Academic Achievement in Computer Science

Certified Professional Scrum Master I | [Scrum.org](https://www.scrum.org)

Volunteer & Independent Projects

Cleveland GiveCamp

Cleveland, Ohio

Volunteer | Developer

July 2017 & July 2018

- Built two websites for nonprofit organizations in the Greater Cleveland area

- <https://thevalentineproject.org/> & <http://www.lakefreeclinic.org/>

Reddit Suicide Hotline Bot

<https://www.reddit.com/user/hotlinehelpbot>

- I created a bot hosted on AWS EC2 that automatically replies to any post containing thoughts of suicide or self-harm with helpful resources. Ranked top 0.4% of all bots on Reddit

Spotify Clone

<https://spotify.lukenneth.com>

- Built with NextJS, React, TailwindCSS, NextAuth, Recoil. Deployed with Vercel.

Who Saved Who

<https://whosavedwho.band>

- I am passionate about music, and I am the lead guitarist & backup vocalist for the band Who Saved Who