

# (John) Harrison Shelnutt

(501) 773-6530  
Broomfield, CO

Associate Software Engineer

<https://ha.rry.sh>  
h@rry.sh

## SKILLS

Languages	Java, Javascript, Typescript, Python, C++
Frameworks/Libraries	Spring Boot, Node.js, React
Tools/Processes	Agile Scrum, PostgreSQL, Docker, Linux, Git, IntelliJ, Atlassian Suite (Jira, BitBucket, Confluence)

## WORK EXPERIENCE

<b>Associate Software Engineer</b> <i>Bottomline Technologies</i>	<b>Jan 2021 — Present</b> <i>Remote</i>
<ul style="list-style-type: none"><li>Gathered requirements and implemented ability for vendors to support "straight-through processing" of virtual card payments</li><li>Led initiative to modernize premium invoice delivery feature with a React rewrite and new build process</li><li>Implemented support for electronic invoicing intake, processing EDI files received over SFTP</li><li>Analyzed and reduced performance bottlenecks, saving up to 6 seconds of page load time</li></ul>	
<b>Software Engineering Intern</b> <i>Bottomline Technologies</i>	<b>May 2018 — Dec 2020</b> <i>Remote</i>
<ul style="list-style-type: none"><li>Responsible for developing, documenting, and testing RESTful web services API</li><li>Developed an error aggregation tool for client services to identify and prioritize issues</li><li>Created error/performance logging dashboards for production servers</li></ul>	

## EDUCATION

<b>Bachelor of Science in Computer Science, Mathematics minor</b> <i>University of Arkansas</i> Summa Cum Laude, GPA: 3.95	<b>May 2021</b>
--	-----------------

## AWARDS/HONORS

<b>Honors College Fellow</b> <ul style="list-style-type: none"><li>\$17,500 per year</li><li>Covered tuition, room and board, meals, textbooks, technology, and a \$1,000 stipend per semester</li></ul>	<b>Aug 2017 — May 2021</b>
<b>Governor's Distinguished Scholarship</b> <ul style="list-style-type: none"><li>\$10,000 per year</li><li>Covered tuition</li></ul>	<b>Aug 2017 — May 2021</b>

## PROJECTS

<b>Honors Thesis</b> <i>Applying Emotional Analysis for Automated Content Moderation</i>	<b>Spring 2021</b>
<ul style="list-style-type: none"><li>Applied an emotional analysis algorithm to a data set of online content, some of which required action by a human moderator</li><li>Developed a mock social media feed which analyzes each incoming post and scores its emotions to be compared against predefined tolerance levels</li></ul>	
<b>PicPass</b> <i>Universal Picture Password service for Android devices that uses the Android Autofill Framework</i>	<b>Fall 2019</b>
<ul style="list-style-type: none"><li>Developed, tested, and presented an Android application that generates secure alpha-numeric passwords using a PIN and tapped images</li><li>Published project on the Android app store</li></ul>	
<b>Enrollment Checker</b>	<b>Summer 2019</b>
<ul style="list-style-type: none"><li>Created a script to automatically check the registrar's office for an opening in a class</li><li>Added the ability to receive a text message alert when a spot opens up in a class</li><li>Assisted newer developers in setup, which resulted in them getting into high demand classes</li></ul>	