

Christian Barlow

SOFTWARE ENGINEER

PROFILE

I'm a self-motivated, knowledge-thirsty software engineer using code and writing to fulfill my passion for solving complex problems and enriching people's lives. I like to break away from the computer to travel, cook, play sports and hangout at the lake with my wife Emma.

EXPERIENCE

Associate Software Engineer promoted to Software Engineer

January 2020 to Present | Ad Astra
– Overland Park, KS

- Leading a team of software engineers designing and implementing AWS lambda/DynamoDB serverless microservices to **optimize for availability and scaling**
- Creating a tagging service & interface to help identify core courses and electives for student pathway rules
- Upgrading developer tooling and boilerplates to use updated libraries, including vite, msw, playwright, react 18, and react-query, **leading to increased developer productivity**
- Creating real-time data streams using AWS Kinesis and SQS for ingesting university events activities
- **Communicating directly with stakeholders** to provide support and understand their needs
- **Mentoring and training** interns/new hires/associates on engineering principles and culture

Associate Software Engineer

May 2020 to January 2021 | City Wide
– Lenexa, KS

- Architecting and developing multiple .NET microservices for applications for franchisee monthly reporting software, leading to better company alignment
- Creating ReactJS and .NET web applications that quickly **address critical issues with national account consolidated billing**
- Writing build, test, and deployment pipelines with Azure Devops for multiple env.
- Configuring IIS and DNS configurations to deploy web applications

Software Engineering Intern

May 2019 to May 2020 | FanThreeSixty
– Kansas City, MO

- Contributing to web-based client applications from back-end to front-end using Java, REST API's, AngularJS, HTML, and CSS.
- Creating mockups, documentation and unit tests for all code **reduce the amount of technical debt created**
- Working with a team of Software Engineers to achieve quality and on-time releases
- Working with a small team to create and implement a **new marketing campaign for Sporting Kansas City**

TECHNICAL SKILLS

TypeScript, JavaScript, NodeJS, ReactJS, Remix, Snowflake, AWS Lambda, DynamoDB, Serverless, S3, Matillion ETL, Streamsets, Python, AngularJS, HTML5, CSS, Web User Interface Design (UI), User Experience Design (UX), SQL, Java, Python, JQuery, Docker, C++, .NET, C#, Hadoop, Spark, Hive, Sqoop, DevOps, Microservice Architecture, E-Commerce, Object-Oriented Design, Web Services (REST/SOAP), API's, Unit Testing, Elasticsearch, Git Version Control, Agile/Scrum software methodology



ABOUT ME

Date of Birth: October 8, 1998
Age: 24
Gender: Male
Birthplace: Kansas City, Missouri

CONTACT

- christianbarlow.com
- github.com/barlow1
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INTERESTS

- | | |
|---------------------------|-------------|
| Freelance Web Development | Sports |
| 3D models | Open Source |
| Critical Thinking | Theme Parks |

HOBBIES



PROJECTS

Hoots Mentorship

Long term software engineering mentorship platform

- Mentor matching and goal management platform with **10 mentors and over 100 unique users**
- Integrated Mailgun for sending users important emails
- Authenticated with email, google, twitter or github for easy user sign up
- Implemented **server side searching and filtering** using MongoDB atlas search
- Built with Remix, React, Typescript, Tailwindcss, Radix UI, Prisma, Mongo DB Atlas

Resume Tailor

Easily tailor or generate the perfect resume and cover letter

- Application to tailor or generate your resume and cover letter to a job posting with over 70 unique users
- Implemented Open AI chat completions and remix **streaming using Server Sent Events** to speed up initial response times
- Communicated directly with customers to **find better solutions to their problems**
- Built with Remix, React, Typescript, Tailwindcss, Shadcn UI, Prisma, SQLite, Fly.io, Docker, Zod

Pulsar Classifier

Identify if the light is a star or a pulsar

- Algorithm that will classify a bright flash in space as either a pulsar or a star based on data points from NASA
- Spliced training and test data to **ensure proper cross validation**
- Used pandas and matplotlib to massage and graph results
- Built with Python, Pandas and Tensorflow

EDUCATION

BACHELORS DEGREE December 2020

Bachelor of Science in Computer Science Software Engineering
University of Missouri Kansas City

August 2017 – December 2020
3.6/4.0 Accumulative GPA