

Chase B. McDermott

SOFTWARE ENGINEER

Austin, TX

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Experience

RetailMeNot Inc.

Jan. 2020 - Present

SOFTWARE ENGINEER I

Austin, TX

- Implemented new features and components centered around products/e-commerce on RMN.com in the core Next.JS React app used by millions of users, with a focus on SEO
- Scaled product experiences at RMN from ~10k products, 2 merchants, and 25 pages to ~5 million products, 15 merchants, and over 500 pages in < 6 months, working full-stack on the project with a Python and GraphQL API, React public facing web app, as well as an internal React web app
- Improved and scaled data pipeline importing over 5 million products daily from multiple sources utilizing Typescript, Airflow, and a Postgres db bringing job time down from ~5 hours to 30 minutes
- Provisioned multiple project resources to AWS using Teragrunt/Terraform, and deployed applications to Kubernetes with Gitlab CI/CD, utilizing Prometheus and Grafana for monitoring and alerting

Audible, an Amazon Company

June 2019 - Aug. 2019

SOFTWARE ENGINEER INTERN

Newark, NJ

- Worked on the Digital Asset Management team to develop a new view to easily allow operators to quality control check metadata and assets, used by hundreds of Audible Operators around the world daily
- Developed new API endpoints in a Spring (Java) back-end application for uploading images to S3, increasing operator's efficiency by up to 300 products per day
- Collaborated with Content Life-cycle managers to design user interface
- Implemented user interface design using React and Redux, creating over 15 new React components throughout the Summer

J.P. Morgan Chase & Co.

June 2018 - Aug. 2018

SOFTWARE ENGINEER INTERN

Houston, TX

- Developed a modular, internal web application in Python for use by the Regulatory and Control team with data visualization, simple and fast extendability
- Upgraded existing application within firm's proprietary risk management and trading platform by adding features, enhancing user experience, and optimizing data throughput, written in Python, utilizing a NoSQL database

Texas A&M College of Engineering IT Department

May 2017 - Dec. 2019

LEAD FULL-STACK DEVELOPER

College Station, TX

- Lead team of 5 developing Ruby on Rails web applications using the Agile development process for use by the entire College of Engineering including over 2000 faculty and 18,000 students
- Corresponded closely with business office to interpret business requirements and translate them into software specifications for team
- Designed and implemented an application to manage faculty requests for hiring new employees using Ruby on Rails, MySQL, Bootstrap, and jQuery, with a RESTful API

Skills

Languages

Typescript/Javascript · Python · Swift · Java · Ruby

Tools and Frameworks

React/Redux · Next.JS · SwiftUI · HTML/CSS · SQL · Kafka · Terraform/Terragrunt
AWS Tools (Lambda, RDS, S3, etc.) · Kubernetes · Prometheus/Grafana · CI/CD

Education

Texas A&M University

Graduation: Dec. 2019

B.S. IN COMPUTER SCIENCE (CSCE)

College Station, TX

- GPA: 3.4/4.0
- Minor in Business and Mathematics

Projects

Solidity Contributions (Open-Source)

C++ · Solidity

[HTTPS://GITHUB.COM/ETHEREUM/SOLIDITY](https://github.com/ethereum/solidity)

- Multiple contributions to Solidity, the smart contract programming language used to interact with the Ethereum blockchain. Solidity is Written in C++ and used by thousands of smart contract developers.
- Contributed Pull Request that made data locations for function parameters required. This was a breaking change for version 0.5.