

# RYAN McBRIDE

Philadelphia, Pennsylvania  
<https://github.com/McBride-Ryan>

215.595.7464  
[ry.mcbride9@gmail.com](mailto:ry.mcbride9@gmail.com)  
[www.ryanmcbride.dev](http://www.ryanmcbride.dev)

## EDUCATION

---

### Roosevelt University

Sept 2010 - May 2014

Major: Bachelor Fine Arts, Theatre Studies

Honors: Summa Cum Laude

### Massachusetts Institute of Technology xPRO

Mar 2020 - Feb 2021

Focus: Algorithms & Data Structures, Operating Systems, Security, and Software Testing

## EMPLOYMENT (RECENT)

---

### Software Engineer (Wellful, Inc)

May 2022 - Present

*E-Commerce Provider of Weight Loss Products and Services*

- Enhanced mobile application performance by 20% by architecting and implementing optimized APIs leveraging AWS ElasticSearch within a multi-brand framework
- Reduced operational expenses by 35% through a strategic migration of on-premise warehouse data to scalable AWS cloud infrastructure for Back Office and Mobile Applications
- Accelerated backoffice search functionality by 300ms by implementing efficient database indexing strategies
- Increased product recommendation accuracy by 45% by fine-tuning collaborative filtering algorithms for personalized user experiences
- Leveraged knowledge by engineering scalable solutions using AWS ElasticSearch, EC2, and S3 for data management and processing; developed Python-based machine learning models; built RESTful APIs with PHP and JavaScript; and deployed containerized Apache applications with Docker.

### Software Engineer (Lead Marvels Inc.)

Aug 2021 - May 2022

*Lead Generated Interactive Library with Customizable Content For B2B Marketers*

- Boosted user engagement by 15% through the integration of a new mailing system and implementation of UTM tracking for comprehensive campaign analysis.
- Reduced API latency by 300ms by implementing a debounce modifier, significantly improving the responsiveness of the interactive library
- Enhanced unit test coverage by 8% by developing comprehensive test suites across 60+ business brand codebases, utilizing Laravel's PHPUnit Testing
- Improved server-side performance by 12% by identifying and resolving N+1 query issues through the optimization of Eloquent ORM relationships
- Leveraged knowledge in Git, Laravel, JavaScript, and SQL

## TECHNICAL SKILLS

---

AWS, Python, Machine Learning, PHP, JavaScript, SQL, Docker, HTML/CSS, Git