RYAN MCBRIDE

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PROFESSIONAL SUMMARY

Cloud Solutions Architect & Full Stack Developer with 4+ years of experience designing and deploying secure, scalable infrastructures in AWS with a proven ability to provide architectural solutions that achieve operational excellence and optimize costs.

TECHNICAL SKILLS

- **Front End:** React, Vue, CSS
- **Cloud Platform**: AWS (EC2, S3, Lambda, RDS, OpenSearch, ElastiCache)
- **ML/AI Tools**: SciKit Learn, PyTorch
- **Monitoring/Logging**: CloudWatch, New Relic
- **Scripting & Programming**: Python, JS, PHP
- **Databases**: PostgreSQL, MySQL, Microsoft SQL Server, MongoDB
- **Frameworks**: Django, Node, Laravel
- **CI/CD & Automation:** Jenkins

PROFESSIONAL EXPERIENCE

Full Stack Developer, 2022 - 2025
Nutrisystem - PA, USA

- Enhanced mobile API performance by 20% by architecting and implementing optimized APIs leveraging AWS OpenSearch & ElastiCache
- Reduced operational expenses by 35% by leading on-premise migration to scalable AWS cloud infrastructure for Back Office, Customer Relation Manager, & Mobile Apps
- Boosted product recommendation performance by 23% through Collaborative Filtering and Bayesian Average techniques, integrated with AWS Lambda in Python and AWS S3.
- Enhanced customer retention by 12% through leading CRM design, optimizing record-keeping, and streamlining notes and event tracking.
- Assisted in reducing CAPEX 8% by unifying Internal Microservices which supported PIM, CRM, and other key business systems.
- Implemented proactive monitoring using AWS CloudWatch & New Relic, reducing bug reports by 18%.
- Leveraged knowledge in AWS Cloud, PHP (Laravel), JavaScript (React, Vue), SQL (Postgres)

Full Stack Developer, 2021 - 2022
Lead Marvels - NY, USA

- Boosted user engagement by 15% through the integration of a new mailing system and implementation of UTM tracking for comprehensive campaign analysis stored in AWS S3
- Reduced API latency by 200ms by implementing a debounce modifier to handling requests asynchronously
- Improved server-side performance by 12% by identifying and resolving N+1 query issues through the optimization of Eloquent ORM relationships

PROJECTS

Cloud Security Engineer
> **Safewhistle.com** - Highly secure, two-way, anonymous communication tool to safeguard employees
> Knowledge: Ruby on Rails, AWS, Load Balancer, Elastic Beanstalk, VPC, S3, AWS Lambda, RDS

Principal Software Engineer
> **The Sport Odyssey.com** - Real-time, data analytics hub covering the world of sports, news and statistics
> Knowledge: React, Python, AWS

CERTIFICATIONS

Amazon Web Services | Solutions Architect - Associate, SAA-C03
Amazon Web Services | Cloud Practitioner, CLF-C02

EDUCATION

Massachusetts Institute of Technology (MIT xPRO)
> Computer Science

Roosevelt University
> BFA Dramatic Arts