Duane Morin | 210 Abbott Street North Andover, MA 01845 | 617-642-2162

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Summary

I am a technical leader and mentor dedicated to fostering collaboration and innovation. My track record of ensuring the robustness and scalability of high-traffic applications is ready to lend itself to the success of a new team. I am seeking a role in an organization that values performance, reliability, and a strong collaboration between the technical and business aspects of developing real world solutions.

Proficiencies

- **Technical Leadership:** Software Architecture, System Design, High-Traffic Applications, API Design and Integration
- **Programming Languages:** Ruby, Rails, Python, Javascript, PHP
- **Technologies:** Amazon Web Services (AWS), Docker, Linux/Unix, CICD, MySQL, Artificial Intelligence

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Experience

Principal Software Engineer
Jobcase, Cambridge, MA | Dec 2015 - Present

- Senior revenue growth team member, leveraged enterprise microservices into multiple web applications that maximized revenue and other key company metrics via A/B testing for millions of arrivals per day. Responsible for ongoing development, upgrades, and standardization of multiple monolith applications (Ruby 3, Rails 7, Docker).
- Owned complete overhaul of call center architecture, introducing multiple new revenue streams. Introduced AI to optimize agent productivity.
- Delivered external partner coregistration API, doubling registration volume. Designed and documented API through two major versions including secure key authentication model, business rules engine, all tooling and monitoring.
- Created AMP Email service, an interactive communication channel responsible for 35% total volume, $1million/yr revenue, and 10x increase in conversions

Staff Architect
Washington Post (Avenue100 Media, Kaplan University) | Nov 2010 - Nov 2015

- Rebuilt legacy .NET job search application in Ruby on Rails, adding A/B testing, call center support, and themed content management tools. 15x increase in registrations, 20x increase in revenue.
- Optimized college search database for performance and SEO. Developed content management tools. Introduced revenue opportunities through advertising and sponsorships.

- Developed an early massive open online course ("MOOC") directory.
- Created ScholarshipAdvisor iOS application, including backend services and database management tools.

Service Architect
Phoenix Technologies, Inc. North Andover, MA | 2008 - 2010

- Developed key site features for the company's lead product, introduction of new products, and enhancements to the backend. Ported PHP app to Ruby on Rails, using MongoDB.

Chief Architect, Rapid Development Team
ConnectEdu Boston, MA | 2006 - 2008

- Architect of flagship Ruby on Rails "e-Transcript" product, Careers and Majors Explorer, and Curriculum Planner. Patent awarded.

Senior Engineer
TripAdvisor Needham, MA | 2003 - 2006

- Developed a new in-house email communication platform in Java, increasing volume 5x to 2 million subscribers.

Education

Worcester Polytechnic Institute, 1991 - BS Computer Science / Society Technology Studies

Accomplishments

- Patent #20130066798, April 2012 "TRANSCRIPT, COURSE CATALOG AND FINANCIAL AID APPARATUS, SYSTEMS, AND METHODS"

- AWS Certified Cloud Practitioner

Projects

- **ShakespeareGeek.com:** Online brand dedicated to the works of William Shakespeare. Responsible for all technical maintenance, SEO,and social media marketing. Published two books. Designed merchandise. Spoke in classrooms at various grade levels. https://www.shakespearegeek.com

- **finStream.TV:** A personal finance TV Channel with a mission to increase financial literacy. Sole technical resource responsible for all site maintenance. Developed streaming TV apps for Roku and Amazon Fire. Created custom workflows for publishing video content, integrating artificial intelligence. https://www.finstream.tv