

Aneel Nazareth

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Recent Experience

RetailMeNot *Austin TX, March 2014-Present*

Led RetailMeNot's Core Business Algorithms team

Keywords: Python, MongoDB, RabbitMQ, AWS, MySQL, PHP

Software Development

- Designed system to decide which coupons to show on RMN's merchant pages, the heart of the site. Brought together data from disparate sources for efficient processing of millions of coupons for tens of thousands of merchants every half hour.
- Refined heuristic and machine learning algorithms to determine what order to show those coupons
- Ensured that the coupon selection and ordering process could scale horizontally to support multiple A/B tests being run at once
- Parallelized algorithm training and processing using producer/consumer model

Production Support

- Diagnosed, triaged, and fixed urgent problems in multiple codebases
- Managed Amazon Web Services resources, including EC2 servers and RDS databases
- Managed the RMN site release process and load testing
- Responded to malicious traffic

Mentorship & Recruiting

- Developed and taught a workshop in scoring algorithm design
- Mentored interns and junior software engineers
- Represented RMN at college career fairs
- Conducted on-campus and on-site interviews

Independent Software Development *2009-2014*

Designed, coded, and released iOS and MacOS X applications

Keywords: Objective-C, Cocoa Touch, iOS, Core Data, MacOS X

Barbell Bulder iPhone app

- Created app to calculate optimal barbell loading for weightlifters
- Developed algorithm to figure out what plates to put on the bar
- Developed UI elements to display and manipulate barbells
- Took project from conception to release on the App Store

Identity MacOS X app

- Created application that Identifies and removes duplicate files

Selected Other Experience

Shockwave.com *San Francisco CA, 2005-2009*

Created backend for multiplayer gaming and chat. Games included poker, billiards, and real-time 3D naval combat.

Keywords: Java, Python, Networking, Service Discovery

Spinner.com/AOL Streaming Operations *San Francisco CA, 1999-2000, 2002-2004*

Developed server software for Internet radio. Managed large cluster of servers. Created system for service monitoring.

Keywords: Java, Perl, Streaming Music, RRD, System Administration, Linux, Solaris

MIT Campus Wide Information Systems *Cambridge MA, 1996-1997*

Created first web campus map of MIT. Maintained the official MIT web pages.

Keywords: Perl, CGI, Mapping

Education

Massachusetts Institute of Technology *Cambridge MA, 1994-1998*

Bachelor of Science degree in Mathematics with Computer Science (18C)

Work/Life Balance

Geometric Art

Using Processing to project animations on the surface of a [purpose-built geodesic dome](#). [Github](#). [Instructables](#).

Travel

47 Countries, 43 States, [10,000mi by car from London to Mongolia](#), 30,000mi by motorcycle around the US, Canada, and Mexico.

Interest in mapping, data collection, and location technologies.