

RICHARD MAI

☎ 917.882.2001

✉ richardmai@gmail.com

Software Engineer

Full-stack software engineer with 15 years of experience architecting and implementing software solutions spanning across web, mobile, and desktop environments.

PROJECTS

OURMIX ↗

Co-Founder | Sep 2014 – Jan 2016

Social music app that automatically shares music with friends, sending users a personalized mix every day based on their taste profile.

Architected and managed entire technology stack including deployment, servers, databases and caches.

Built mix generation algorithm using Spotify API.

Featured in TechCrunch's *OurMix Is Social Music Discovery Done Right*.

Partnered with a UI designer and product manager.

iOS and Android versions available.

DISCOVER ON DEMAND ↗

Founder | Feb 2016 – May 2016

On-demand music discovery app that gives users custom-made music recommendations.

Provides on-demand personalized music discovery, tailored specifically to the user.

Mac OSX and iOS versions available.

EVERYONE'S MIXTAPE ↗

Founder | Sep 2011 – Jan 2012

Social and collaborative mixtapes.

Attracted over 59,000 unique visitors in a single day.

Featured in *The Next Web*, and *Observer*, *Lifehacker*.

Winner of the Echo Nest hack at the Feb 24, 2012 Spotify Music Apps Hack Weekend.

OFFLINE ↗

Founder | Dec 2013 – Mar 2014

Search for places to eat, drink, or just about anything off of a subway line.

Developed a way to search entire subway lines looking within a 5-block radius of each subway stop.

Integrated Yelp, Google Maps and NYC MTA data.

iOS and web versions available.

WORK EXPERIENCE

GERSON LEHRMAN GROUP ↗

Senior Engineer | May 2012 – Present

Saved over \$200,000/year in staff costs by creating an app for experts to request expense reimbursements themselves, which was previously the responsibility of 3 full-time employees.

Created cron job, which added back over 30,000 experts to the available expert network that were previously removed but forgotten, resulting in over 3,000 staffed projects and \$250,000 in revenue in about 6 months.

Decreased time from project request to scheduling by 30% by changing core workflow to be done in parallel instead of serial.

Introduced and mentored team to new technologies such as React/Redux and RiotJS.

Helped migrate companies large legacy C# app to dedicated NodeJS micro apps resulting in huge productivity boosts.

BARCLAYS CAPITAL ↗

Lead Engineer | Sep 2008 – May 2012

Coordinated global rollout of applications after Lehman Brothers/Barclays Capital merger.

Collaborated with users and business analysis team to create requirement documents.

Conducted code reviews with junior and offshore developers to look for potential performance enhancements, bugs, or user interface improvements.

LEHMAN BROTHERS

Engineer | Sep 2001 – Sep 2008

Built customizable dashboard allowing users to fully personalize layout and content. Dashboard was designed to work with new widgets and existing content, allowing for gradual decommission of legacy application.

Managed offshore development team to port over existing content into the new widget format.

Generated business and opened channels of communication with a client marketing engine, which allowed bankers to market achievements to targeted contacts on a large scale with a personal touch.

Created bankers' homepage, notifying them of upcoming meetings, any required follow-ups, contacts' promotions, and other information to keep users informed and empowered.

EDUCATION

STONY BROOK UNIVERSITY HONORS COLLEGE

Bachelor of Science - Computer Engineering | Sep, 1997 – May, 2001