Jasdev Singh

Senior Software Engineer

jasdev.me

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@jasdev

Education

University of Virginia, '10–'14
BA Mathematics, BS Computer Science—3.68/4.
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Advanced Functional Programming, Summer '19
Orbital's Engineering Management Studio, Fall '18
Recurse Center, Fall 1 '15
South County Secondary School, '06–'10
VA Governor's School for Mathematics, Summer '09

Selected Projects

Peloton (iOS)
Having worked on the project for over three years, I've been in practically every corner. A few: Challenges, HealthKit, and HRM support.
NYC Point-Free Study Group
Organize a weekly, functional prog. study group.
Tumblr (iOS)
Specifically, the networking stack, native third-party auth., performance logging, and a Swift rewrite.
Public Extension
A micro-blog of Swift extensions, @PublicExtension.
Imgur (iOS)
Upload, search, and the networking layer.
Network and Sentiment Analysis in Dance Music
Thesis research covering network and sentiment analysis of artist set lists and textual comment data overlaying SoundCloud uploads, respectively.

Work

Peloton, November '16–Present
Senior Software Engineer.
Tumblr, November '15–November '16
iOS Core Engineer.
Imgur, June '14–August '15
API Lead and iOS Engineer.
Fitocracy, Spring '14
Software Engineering Intern.
Twitter, Summer '13
KPCB Engineering Fellow.
Microsoft, Summer '11 and '12
Software Engineering Intern.

Selected Experiences and Awards

· Category Theory for Programmers I–III, Applied Category Theory, and Programming w/ Categories lecture series.
· Gotham's Poetry I '20 course.
· Talks at both iOSoho and Brooklyn Swift meetups.
· Functional Swift '15 and '18 attendee.
· XOXO Fest '16 and '18 attendee.
· Catapult's Fall '18 essay writing course.
· Lead Organizer HackUVA '14.
· Student-Founder at HackCville.
· ICPC Programming Contest regional qualifier.
· Two-time finalist at PennApps, '12 and '13.
· President, Mu Alpha Theta (Maths Honors Society).

Related Skills

Languages and Mathematics
Swift and Haskell—with exposure to others. For maths, a focus on category theory and abstract algebra.
Frameworks and Architectures
Combine, Rx(Swift|Cocoa), SwiftUI (mostly on watchOS), UIKit, MVVM, and reducer-based architectures.
Writing
Published longer-form technical posts and personal essays on my blog, Distillations, since '15.
Mentoring and Hiring
Grew Peloton's iOS team from three to nine folks over the course of three years—during which, I onboarded, mentored, and helped structured the interview process.