

Software Engineering Seminar Series:

# Software at Scale

Michael Barnathan



Computer Systems Technology  
New York City College of Technology  
Room N119

Tuesday, November 25, 2014 1-2pm

**Light refreshments will be served!**

**Can your app handle an appearance on the front page of TechCrunch? In this talk, we'll compare common design patterns and strategies for building software that can scale to millions of users and beyond, such as concurrency, caching, CDNs, compression, immutability, sharding, partial ordering, and read optimization. We'll discuss why the REST paradigm has become such a natural fit for building web and app backend services, as well as how to test your app for scalability so you can be confident that it will survive an unexpected spike in traffic.**

Michael Barnathan is a Director of Engineering at Amplify Access, which deploys educational tablets to K-12 schools across the country. Prior to joining Amplify, Michael founded Clipless, the first contextual deals startup, which survived two appearances on the front page of TechCrunch and was acquired 8 months from founding. Michael's prior experience also includes a Senior Software Engineer position at Google. He holds a Ph. D. in machine learning from Temple University, with a particular emphasis on using computer vision techniques to automatically diagnose medical scans.



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