

## Contact

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## Top Skills

Mobile Applications

Android

iPhone

## Honors-Awards

Winner - Google Android Developer Challenge

Winner - Most Innovative Consumer Application or Service

# Chad Kouse

CTO at Social Innovations, Inc  
Miamisburg, Ohio

## Summary

More than 15 years of programming and application development experience. Specializing in Mobile software, cloud computing and large-scale/large-data applications.

10+ years of experience successfully planning and implementing robust, performant backend systems to handle millions of active users generating hundreds of millions of transactions per day. Creating scalable systems with predictable performance leveraging tools like NoSQL, distributed asynchronous processing, automatic failover/fault tolerance, auto-scaling, and true REST APIs.

Success deriving useful analytics from large amounts of raw data using Hadoop Map Reduce & Hive.

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## Experience

Social Innovations, Inc  
CTO

August 2013 - Present (6 years 11 months)

- Building web-scale applications in the social networking space.
- Applications on iOS and Android leverage REST API's on cloud computing platforms such as AWS or Google Cloud / App Engine

TuneWiki, Inc

Co-Founder, CTO

January 2008 - June 2013 (5 years 6 months)

- Founding member
- Designed and built the TuneWiki mobile social media player platform and mobile client from the ground up. This includes over 100 Linux servers in 2 datacenters, an iPhone application and an Android application. The mobile

application was then ported to Blackberry, Windows Mobile, J2ME, Symbian, and palm.

- Won the Google Android Developer Challenge leading to Series A funding from Benchmark capital and Series B funding led by Motorola.
- Present responsibilities are continued design and engineering challenges as we scale to 100's of millions of transactions per day.
- Built the I.T. team from 1 developer to over 30 team members handling functions spanning database administration, API/platform management, UX/UI design, and mobile developers located in 5 countries (US, Israel, Hungary, Moldova, Colombia).
- Highlights include
  - Accelerating all aspects of our application by profiling and finding bottlenecks as we grew
  - Utilizing Couchbase, a clustered NoSQL Datastore, for the majority of all persisted objects
  - Improved performance and stability with async distributed workflow processing
  - Vastly improved search by implementing Elasticsearch--a clustered Lucene based search
  - Designing and implementing a generic logging platform that can be used anywhere in our app
  - Processing massive logs with Hadoop to extract useful metrics and analytic data.

## United Telemanagement Corp

CIO

2003 - 2008 (5 years)

- Created an in-house I.T. department to reduce (and eventually eliminate) the need for contractors.
- Developed an interactive kiosk system for patients to purchase and activate telephone and television services unassisted.
- Built a transactional billing system for Cost Recovery Corporation, allowing agents to process police and fire reports and bill insurance companies. This system is still in use today.

- Created an interactive television system for patients to use at bed-side. This system included movies on demand, online games, internet browsing, and premium television. This was only a pilot system and was never put into service.

toohome, inc

Senior Developer

2002 - 2005 (3 years)

- Maintained, Modified, and Expanded multi-million dollar online store website.
- Expanded the I.T. department from 1 to 3 developers
- Managed hardware and software maintenance
- Streamlined order processing

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## Education

Miami University

Bachelor of Science (BS), Computer Systems Analysis · (1997 - 2001)