

CAREER PROFILE

Eleven years experience developing, maintaining and scaling software systems for revenue agencies, and founded townsourced.com (<https://www.townsourced.com>).

Passionate about programming, and open source in particular. Interested in database technologies, and finding simple solutions to complex problems.

EXPERIENCES

Founder / DevOps

May 2016 - Present
Townsourced

Founded Townsourced.com (<https://www.townsourced.com>). Built a fully working, horizontally scalable, and secure prototype featuring location based search and unique aggregation functionality, and many other features.

Launched Townsourced to small local communities then gathered and implemented their feedback. Demoed Townsourced (<https://solutions.townsourced.com/news/minnedemo>) to the Minnesota Tech scene and investors.

Setup access analytics and server monitoring. Built a full source control system with continuous integration and automated unit testing (<https://git.townsourced.com/townsourced/ironsmith>).

More on Townsourced (<https://solutions.townsourced.com/townsourced>)

Senior Technical Lead

July 2005 - April 2016
Fast Enterprises

Managed, monitored, and administered *Fast Enterprises* software for clients. Responsible for server management and maintenance. Integrated and tested system architecture software. Built many tools to monitor and alert on the environment's status and performance. Administered and maintained database backups, indexes and structures.

PROJECTS

Townsourced (<https://www.townsourced.com>) - A locally moderated community bulletin board, built to help communities discover events, share, shop and sell locally.

Freehold (<http://tshannon.bitbucket.org/freehold/>) - An open, secure, and lightweight platform where you can self-host your files and data in the cloud.

Ironsmith (<https://github.com/timshannon/ironsmith>) - Ironsmith is a simple, script-driven continuous integration (build -> test -> release) tool, with no external dependencies.


Bolthold (<https://github.com/timshannon/bolthold>) - An embedded, fully ACID (<https://en.wikipedia.org/wiki/ACID>) compliant NoSQL


(<https://en.wikipedia.org/wiki/NoSQL>) datastore for Go (<https://golang.org/>) types. It includes a simple, chain-able query interface, a fast B+ tree data model, serializable transactions and lock-free MVCC (https://en.wikipedia.org/wiki/Multiversion_concurrency_control) using a single writer, and multiple readers.




Tim Shannon


Full Stack Developer

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CORE COMPETENCIES

Web Development

Databases and Analytics

Security

EDUCATION

BA in Computer Science

Jamestown University
2001 - 2005

INTERESTS

Open Source

Databases

Distributed Systems

Security

Cryptography

Résumé available online at
solutions.townsourced.com

SKILLS & PROFICIENCY

Development

Go

4.8 years

.NET (VB / C#)

13.2 years

Javascript

2.9 years

Python

2.8 years

Java

2.8 years

Web Development

jQuery

2.9 years

CSS & LESS

2.9 years

Ractive (MVC)

2.9 years

Node

2.8 years

Javascript - ES6

1.3 years

Databases and Analytics

SQL & T-SQL

11.3 years

Microsoft SQL Server

11.3 years

RethinkDB

3.4 years

MongoDB

1.4 years

PostgreSQL

0.8 years

Operations

Linux

12.3 years

Windows Server

12.3 years

Google App Engine

1.4 years