

# Mark Ng

Engineering Leader

I work with product teams and organizations to build great software products. My ability to operate at different levels from individual contribution to senior leadership enables me to deliver customer value in various situations, and help others to do the same.

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🐙 [github.com/markng](https://github.com/markng)

## AREAS OF EXPERTISE

Python

Agile Adoption

Polyglot Software Engineering

DevOps

Hosting and Infrastructure

Mentoring

Django

## WORK EXPERIENCE

### Principal Engineering Team Lead Strongmind

12/2018 - 03/2025

Chandler, Arizona/Remote

*Achievements/Tasks*

- Staff, then Principal Engineer as the company moved from a monolithic application to a distributed service-based system design.
- Advocated for and taught Test Driven Development (rspec, mamba, pytest, pyunit), Infrastructure as Code (terraform, pulumi, aws, azure), CI/CD systems (Github Actions/Azure DevOps) and other XP and DevOps practices.
- Contributed code toward products in Python/Django, Ruby/Rails, Javascript, Typescript, C#.
- Paired with engineers in all parts of the organization, and taught driver/navigator and ping pong pairing practices.
- Implemented measurement of code quality and throughput, eventually leading to consistent decreases in cycle time and an increase in engagement for less experienced engineers.
- Implemented and co-designed a set of courses to onboard software engineers and help our current staff improve their skills driven by insights gained from metrics and inspection of our codebases.
- Led a drive to create consistent summary documentation, resulting in a measurable decrease in the amount of time and cross-team interrupts required to onboard an engineer into a codebase.
- Mentored contributors and leaders across the company in various engineering and non-engineering roles.

### Director of Software Engineering Strongmind

01/2017 - 12/2018

Chandler, Arizona

*Achievements/Tasks*

- Led 5 teams through significant organizational change toward Scrum and XP methodologies.
- Worked with teams to help them increase system reliability during a period of significant business growth and scaling.
- Led the courseware player team through a major product launch.
- Recruited two product engineering teams.
- Mentored engineers and leaders across the organization.
- Contributed code and software design guidance to several products written in Ruby and Python, and software design guidance for products written in C#.

## WORK EXPERIENCE

### Software Development Manager

#### Liquid Web

08/2014 - 01/2017

Phoenix, Arizona/Lansing, Michigan

##### Achievements/Tasks

- Leader in the creation of the successful Managed WordPress Hosting product. [↗](#)
- Led teams across two locations.
- Mentored engineers and peer leaders across the company.
- Contributed code and software design guidance to several hosting products (Python, Perl, Ansible, Fabric, Wordpress, Kubernetes)

### Co-founder

#### The Hunters Database

07/2011 - 12/2015

Phoenix, Arizona

##### Achievements/Tasks

- Created a resource for hunters across the USA to better understand how and where to be successful. (Python, Django, PostGIS) [↗](#)

### Director of Technology

#### Scott's Marketplace

08/2013 - 04/2014

Scottsdale, Arizona

##### Achievements/Tasks

- Worked with product team, both as an individual contributor and leader to increase customer value delivery approaching their product launch. (Python, Django).
- Led technology delivery in a small startup.
- Worked with other senior leaders on business administration and HR functions.

### Technologist/Web Developer

#### Cronkite School of Journalism and Mass Communication, ASU

07/2010 - 12/2013

Phoenix, Arizona

##### Achievements/Tasks

- Mentored journalism students to understand technology and write code through several programs - the New Media Innovation Lab, the Digital Media Entrepreneurship and News21 programs.
- Created prototypes, visualizations and products in collaboration with interns and students, leading and contributing. (Python, Django, Ruby, Rails, Objective C/iOS, Java/Android)
- Delivered lectures on understanding and using APIs to students.
- Maintained several websites for the university and the Reynolds National Center for Business Journalism.

### Developer Evangelist

#### Media Standards Trust

01/2008 - 08/2010

London, England

##### Achievements/Tasks

- Worked with industry leaders to create the hNews microformat standard for news delivery. [↗](#)
- Created applications to demonstrate the use of hNews (Python, Django).
- Represented the organization at many conferences, evangelizing the use of richer information in news delivery.
- Organized the News Innovation London unconference.

## FURTHER HISTORY

My career spans more than 25 years, and is not fully detailed here. For more information, visit my LinkedIn or get in touch!