

keyan pishdadian

Phone: (774) 273-3047
Email: kpishdadian@gmail.com
LinkedIn: [linkedin.com/in/keyanp](https://www.linkedin.com/in/keyanp)

Website: keyanp.com
GitHub: github.com/keyan

EXPERIENCE

Lyft, Software Engineer; Seattle, WA March 2018 – Present

- ◊ Launched Transit, a new feature allowing users to take multi-modal trips mixing Lyft and public transit *Python*
 - Designed, built, and maintained the Transit backend service scaling from 0 to millions of users
- ◊ Engaged in the full product development cycle on a diverse team as we ideated, designed, built, and field tested our product

Teachers Pay Teachers, Software Engineer; New York, NY Sep 2016 – Feb 2018

- ◊ Marketplace for teachers to buy and sell teaching materials
- ◊ Backend system component development *Elixir/Phoenix*
 - Architected and developed a distributed asynchronous task processor backed by Redis
 - Redesigned feature toggle updates, decreasing update time from ~10mins to <30secs
- ◊ Created a continuous integration and deployment pipeline for containers deployed to Kubernetes *Groovy*
- ◊ Wrote an internal web application to centralize the deployment process for all applications *Elixir*
- ◊ Automated infrastructure management *Chef, Terraform*

Venmo, Software Engineer; New York, NY May 2015 – Aug 2016

- ◊ Worked on the Platform team developing a backend serving millions of users *Python/Django*
 - Redesigned payments news feed to improve performance and allow for future feature development
 - Improved system reliability and scalability by optimizing MySQL, Mongo, and Cassandra database access
- ◊ Improved the state of developer tooling and increased development velocity *Python, Packer, Bash*
 - Owned upkeep and release of development virtual machine
 - Eliminated most test state issues by replacing legacy static test fixtures with dynamic data creation
- ◊ Improved monitoring/logging/alerting systems and managed infrastructure *Puppet*
- ◊ Developed a deep fondness for emojis

Recurse Center, Recurser; New York, NY Jan 2015 – Mar 2015

- ◊ A self described “retreat for programmers” (*recurse.com*) where I talked about, read about, and programmed computers. Also played a lot of chess.

University of Vermont Medical Center, Research Assistant; Burlington, VT May 2013 – Dec 2014

- ◊ Studied genetic regulation of sporulation in the bacterium *Clostridium difficile*

OPEN SOURCE

- ◊ Flask developer tool for source code manipulation *github.com/pallets/flask-ext-migrate*
- ◊ Co-maintainer of:
 - Elixir job processing system *github.com/edgurgel/verk*
 - Command-line tool for rapid large-scale refactoring *github.com/facebook/codemod*
 - Python web framework *github.com/pallets/flask*

EDUCATION

B.Sc. Microbiology, University of Vermont; Burlington, VT 2013

PUBLICATIONS

Pishdadian, K., Fimlaid, K.A., & Shen, A., (2015) SpoIID-mediated regulation of σ^K function during *Clostridium difficile* sporulation. *Molecular Microbiology*, 95:189–208.

Shen, A., Fimlaid, K.A., & **Pishdadian, K.**, (2016) Inducing and Quantifying *Clostridium difficile* Spore Formation. *Methods in Molecular Biology*, 1476:129-42.

Ribis, J.W., Ravichandran, P., Putnam, E.E., **Pishdadian, K.**, & Shen, A. (2017) The Conserved Spore Coat Protein SpoVM Is Largely Dispensable in *Clostridium difficile* Spore Formation. *mSphere*, e00315-17.