



# Manasa Patibandla

Full Stack Developer, Pythonista



## Experience

2015 - present



### Application Developer

Indiana Legislative Services Agency

- Primary developer for core internal applications built using Django and other front-end technologies such as Angularjs and BackboneJS, that are used by the Legislative Branch of Indiana General Assembly
- Primary developer for the Indiana General Assembly website and redesigned core pages of the website which increased their reach by 3 times
- Currently a part of a 3-member Core team which designed and built the entire backend architecture called “Core Indiana” for the Legislative Service technology stack.
- Part of a team working on the redesign of key pages on the website using jQuery and various caching techniques, working with Memcache and Varnish in the process to reduce load times of the pages from 5 minutes to 5 sec.
- Worked on the Indiana General Assembly Public API built using Django Rest Framework that is used by lot of publishing and reporting agencies for information about the business of the Indiana State Legislature. Worked directly with clients for setting up new API endpoints on request.
- Migrated micro services from ActiveMQ to use RabbitMQ and Celery, and continue to monitor and troubleshoot them in production.
- Worked on many legacy systems and websites built using Apache Cocoon and XML. Included setting up shell scripts for SOLR indexing of Indiana Administrative Code
- Upgraded SOLR from 4.0 to 6.0, and wrote indexing scripts for different types of Legislative documents and Archived documents that enabled better search on the IGA Website
- Part of a decision-making Architecture Team that decides and audits the technologies currently used, and new technologies that can be introduced into the stack and monitor the upgrade cycle for existing technologies for annual planning.

2014 - 2015



### Associate Instructor

Indiana University, Bloomington

2012 - 2013



### Eduron e-Learning Private Limited

Data Analyst and Front-end Developer

2011 - 2012



### Programming Intern

University of Hyderabad



## Education

2013-08 - 2015-05



### Indiana University, Bloomington

Masters in Computer Science



## Personal Info

### Phone

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### E-mail

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### LinkedIn

<https://www.linkedin.com/in/manasapatibandla/>



## Skills

Python, Java, PHP

HTML/CSS/Javascript, Bootstrap

Django, Django Rest Framework, Flask

Selenium

jQuery, Ajax, XML

AngularJS, Angular, BackboneJS,

React, NodeJS, VueJS, PhantomJS

SVN, Git

Postgres, Neo4j, MySQL

Docker, Kubernetes, Heroku

RabbitMQ, Celery, Flower

Continuous Intergration/Jenkins

Varnish, Memcached

SOLR, Elastic Search, Redis



## Interests

Caching

Artificial Intelligence

Networks

Frontend Frameworks

Hackathons (Organized a Civic Hackathon and also part of winning team for all the internal hackathons.)