Manasa Patibandla

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Objective

Looking for a position as a Full Stack Developer in a challenging role in an organization with great work culture and where I can contribute to the team and also gain expertise on my acquired skills.

Core Skills

Languages: Python, Java, C, PHP, Perl
Web Technologies: HTML/CSS/JavaScript, XML, Ajax, Django, Flask, Pyramid, Wagtail, Selenium, Apache Cocoon, Django Rest Framework
JavaScript Libraries: AngularJS, Angular, jQuery, Backbone, React, Nodejs, PhantomJS, Bootstrap
IDE: PyCharm, Eclipse, IntelliJ, Atom, Sublime
Version Control: SVN, Git
Databases: MySQL, Postgres, Mongo DB, Neo4j
Other Tools & Technologies: ActiveMQ, Celery, RabbitMQ, Flower, Varnish, Memcache, SOLR, Elastic Search, Docker, Kubernetes, Continuous Integration, JIRA, Jenkins, Adobe Photoshop, Adobe Illustrator

Experience

Indiana Legislative Services Agency
Application Developer, July 2015-present

- Worked on various core internal applications using Django and other front-end technologies such as Angularjs and BackboneJS, that are used by the Legislative Branch of Indiana General Assembly on year round and have been a primary developer on more than a couple for the past 3 years.
- Primary developer for the Indiana General Assembly website (http://iga.in.gov) and redesigned core pages of the website which increased the reach and received appreciation from general public.
- 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. It included changing the entire proprietary database to Postgres.
- Part of an Architecture Team which is a key decision-making team that decided and audited the technologies currently used, and new technologies that can be introduced into our stack and monitor the upgrade cycle for existing technologies for annual planning.
- 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 building the Indiana General Assembly Public API using Django Rest Framework that is used by lot of publishing and reporting agencies for information about the business of the Indiana State Legislature (http://api.iga.in.gov)
- Setup many post commit services and direct message services that use ActiveMQ, RabbitMQ and Celery and monitor them periodically.
- Worked on many legacy systems and websites built using Apache Cocoon.

- Set up various instances of SOLR for the Indiana General Assembly website and have written indexing scripts for all the different types of legislative documents, Indiana Code and Constitution, that is being used in production currently.
- Actively recruited Developer Interns through every summer, spring and fall. Worked as the Intern mentor, monitored the training and on-boarding, assigned Intern projects and mentored them in build production ready applications
- Winner of 2 internal Hackathons conducted, with one of them currently in Beta on production

Indiana University, Bloomington
Associate Instructor, January 2014-May 2015
- Lead AI and Lecturer for discussion section of a full-credited Computer Science Course, CSCI-C241/H241 (Discrete Structures in Computer Science) class in Fall 2014, Informatics course I201(Discrete Mathematics in Informatics) class in Spring 2014
- Helping the students understand Discrete Structures and apply them in Computer Science, conducting discussion sessions and applying various teaching techniques for easy understanding
- Grading the work done by students, and help them improve and understand the concepts by constructive feedback.
- Assisting the Professor for a full-credits Informatics course, I201(Discrete Mathematics in Informatics) class in Spring 2014 and Lead AI in Summer 2014

University of Hyderabad, Central University
Programming Intern, January 2012-February 2012
- As an Intern at Center for Applied Linguistics and Translation Studies, University of Hyderabad, I have worked on developing Machine Translation tools for Natural Languages under Natural Language Processing using Perl
- I studied the various Natural Language Tools developed by the various centers over the world such as Stanford Natural Language Processing Group.

Eduron e-Learning Private Limited
Data Analyst and Front-end Developer, Dec 2012 – Feb 2013
- Established strong and weak areas throughout the network of portals to increase the reach to larger audience
- Reduced the content spam on Eduron network by 45% and increased the reach by 30% through improved front-end on the website

Education

Indiana University Bloomington
Masters in Computer Science, May 2015
- GPA: 3.4/4.0

Acharya Nagarjuna University
Bachelor of Technology in Computer Science, May 2013
- 86%

Additional Interests

- Caching, Artificial Intelligence, Data Visualization, Frontend Frameworks
- Photography, Adobe Photoshop, Adobe Illustrator
- Painting
- Tennis