Manu Mathew

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in Manu Mathew

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Summary

- Around 3 years and 9 months of experience as application developer predominantly in Python.
- Started career with Lamp stack and worked along with Laravel framework for around 6 months.
- Currently working with Python and Django.
- Have worked with various frontend and web development technologies also.
- An enthusiastic and quick learner also passionate about teaching tech stuffs.

Professional profile

- Experienced in full stack development of web applications, handling responsibilities involving all phases of software development lifecycle.
- Good knowledge on coding standards – PEP8 (Python), PSR2 (PHP) as well as best practices and a strong advocator of the same.
- Good at scripting as well as writing algorithms using core Python.
- Hands on experience in various Frontend (AngularJS, BackboneJS) and backend (Python, PHP) technologies.
- Hands-on experience in writing and reviewing requirements, test plans, design and maintaining documents, quality analysis and helping with the software release process.
- Good understanding of MVC, REST architecture and Object oriented programming.
- Sense of ownership, ability to work independently, and have strong communication skills

Skills

- **Backend technologies:** Python(2&3), PHP
- **Backend frameworks :** Django, Django REST, Yii, Laravel

- **Frontend :** AngularJS, BackboneJS, ReactJS, Ajax
- **Web development:** HTML, CSS, JS, Boostrap, jQuery, UnderscoreJS
- **Database:** MySQL, PostgreSQL, MongoDB, Neo4j
- **OS:** Linux (Ubuntu), OS X (Mac)
- **VCS:** Git, SVN

Work Experience

Software Engineer - Aspire Systems

- Worked as a Full stack Developer in Python and LAMP stack.
- Have individually completed significant modules from requirement analysis to production deployment.
- Have served as Python and ReactJS mentor for trainees.

1. **Simpletax**

Technology/framework:*Python,Django & backboneJS , UndersoreJS template engine, MySQL.*

Online tax calculation portal with frontend implemented using BackboneJS (SPA), backend in Django and a tax calculation engine implemented in core Python. This application has multiple third party apps and payment gateways integrated such as Zoho, Stripe payment, Twilio, google analytics, segment.io, customer.io, idev etc.

2. **Guidance reality homes**

Technology/frameworks: *PHP, Laravel, AngularJS, MySQL, PostrgreSQL*

The project is a Real estate based web application meant to help people find properties of their choice based on location and other preferences in US. The application integrates Google maps and allows location based searches with the use of PostgreSQL and elastic search.

3. **Digin**

Technology/frameworks : *PHP, Yii, BackboneJS, Javascript, MySQL*

The project deals with distribution of sample products for student community over various universities in UK. The project allows user to enter a code from the gift coupons they received and discloses their gift. It then allows users to take a survey based on product.

4. **On-line Address book application (undertaken as part of training)**

Technology/frameworks: *PHP, Javascript, MySQL*

The application was implemented in PHP using MVC pattern without using any frameworks. Users can use the application for saving addresses and retrieving the same in simpler and user friendly way. The application allows users to enter addresses manually as well as by uploading a CSV file.

5. **Training management system (Initiated out of self interest)**

Technology/frameworks: Python, django, AngularJS, Boilerplate, MongoDB

Working on this project out of self-interest for developing a training management system. This project aims at an online portal where training exercises can be managed, teams can be managed, and exercises can be assigned to trainees or teams as well as assignments reviewed.

October 2018 - Present

Software Developer 2 - Zinnov

- Working as a senior backend developer handling the full responsibility of application backend of Draup – A sales and talent enabling platform.
- Responsibilities involve ensuring the stability of application backend, code reviews for peers, improving scalability of existing code base, performance optimization of APIs and SQL queries, Production deployment.

Draup is a sales and talent enabling platform that works around a huge data set stored over multiple databases running over – MySQL, PostgreSQL, MongoDB and Neo4j. Application backend is developed in Python with Django rest framework. The application uses Elasticsearch, Celery, Celery beat, Jenkins, Newrelic, Flower (Celery monitoring).

Education

2015 **Bachelor of Engineering (Computer science)**

Loyola institute of technology and science, Tamil Nadu

2011 **Higher Secondary**

Placid Vidya Vihar, Kerala(CBSE)