Pratik Vyas

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Education

M.S. in Software Engineering   *Aug, 2015 – Pursuing*
San Jose State University
Specialization: Networking Software

B.E. in Computer Science and Engineering   *June, 2008 – May, 2012*
Gujarat Technological University, India

Skills

Programming: Python, JavaScript, git, vim, emacs
DevOps: Ansible, Shell scripting, vagrant, packer, docker, nginx, Unix like operating systems
Web: Django, Flask, AngularJS, Celery, Node.js, micro services, MVC Frameworks

Experience   *3 years*

DevOps Engineer, ERPNext, Mumbai, India   *Sept, 2013 – July, 2015*
ERPNext (https://erpnext.com) is an open source ERP for small businesses and is powered by Frappe
framework (https://frappe.io). Responsible for service uptime, infrastructure automation and
deployment architecture.
Work highlights:

- Migrated Frappe framework from CGI to WSGI which reduced the response time by 5 times.
- Wrote command line tool for developing and deploying sites using Frappe framework,
  https://github.com/frappe/bench.
- Evolved the framework to support reusable apps and background jobs.
- Automated provisioning using Ansible.
- Designed and built deployment tools for partial releases and safe database migrations (Python
  virtualenv, supervisor and nginx). Presented at a MumPy meetup, https://pd.io/pres/press.
- Conducted Frappe framework training for the open source community and service providers.

Lead Developer, Social Schools, Pune, India   *June, 2012 – Aug, 2013*
Social Schools is a social network for primary schools, structured as community portal for between
students, parents and teachers. It also works as a school website (using Django CMS). Responsible for
application development, maintenance and deployment.
Work highlights:

- Led the rewrite of the product in Django and Backbone.js.
- Wrote a ReSTful and HATEOAS complaint API for the mobile team using Django ReST
  Framework.
- Also contributed to User Interface development for Nimbula in Node.js and Backbone.js.
  Nimbula was a public and private cloud computing platform and was acquired by Oracle in
  2013. This was a contract job undertaken by the parent company.