Shreyas Satish

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Work Experience

Software Engineer, Mapunity (Bangalore, India) : August, 2010 - Present

- Developed the entire technology stack for Mapunity's 'Smart City' platform – BCity. BCity, a pilot instance for Bangalore, is a social network that brings together people from the government, interest groups and citizens to share ideas in order to solve issues.
- Built the web APIs (Application Programming Interface) and web widgets for BCity, which powers other applications such as Bangalore Traffic Information System and Bangalore Heritage.
- Developed a city oriented 'Indian Heritage' platform. Launched a pilot instance specifically for Bangalore – Bangalore Heritage, which showcases various heritage spots of interest in and around Bangalore, temporally and spatially.
- Developed a geofence alerting component for Mapunity's Transport Information System. The component generates and sends, email and SMS alerts, when a vehicle being tracked by a GPS unit, enters or exits marked geographical boundaries.

Project Intern, eLitmus Evaluations Pvt Ltd (Bangalore) : January, 2010 - May, 2010

- Researched and developed 'HELP' - Help Enquiries Listing Program, an online help desk system, which comprised of a semantic search engine and a Content Management System. The search engine used synonym vocabularies, sourced from Princeton's WordNet database, in addition to considering the position and frequency of keywords in documents, and consequently returned more relevant results.

Technologies Proficient In

- Linux, Apache, Passenger, MySQL, PostgreSQL, PostGIS, Ruby, Ruby on Rails, HTML, CSS, JavaScript, jQuery, OpenLayers, CoffeeScript.

Education

Bachelor of Engineering (B.E) in Information Science: September, 2006 - June, 2010

- Graduated with First Class, from the B.N.M Institute of Technology, Bangalore, India (affiliated to Visvesvaraya Technological University, Belgaum).

Other Activities

- Developed an open source CoffeeScript library - WorldView - as a thin abstraction layer over OpenLayers (a mapping library). WorldView provides a set of easy-to-use APIs to perform common use cases with maps.
- Currently supervising two interns and a project team comprising of 3 members at Mapunity, for the respective projects - an Android vehicle tracker, an online survey builder and a vehicle detection algoritihm that uses traffic images to guage traffic density.
- Presented a talk on Technagara at The Goa Project held in Goa during March, 2013 and also presented on CoffeeScript at the JSFoo conference, held in Bangalore during November, 2011. Received excellent feedback on both accounts.