

AKASH SHARMA

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Objective

To be a part of/lead a passionate team doing challenging work that helps create state-of-the-art tech solutions of value to a large section of humanity.

Experience

Senior Software Engineer, Blackbuck Logistics, Bangalore [June/2016 – currently]

- Our tech-team at Tripigator got acqui-hired by Blackbuck. Currently I help build **products that enrich our supply chain** with quality supply partners that lets us 'move' some of the biggest businesses in India at one end and enables efficient use of trucks and easier and cheaper maintenance for the owners at the other.
- Have worked to automate and **digitise the process of contracts application** on per order basis to calculate business critical numbers, a general **rule engine type of setup that configures data capturing** across the product on a customer/order level and a service for truck suppliers to **GPS track their inventory** at work.
- Our stack includes Angular, Django, PostgreSQL/MySQL, Mongoddb, Elasticsearch, Redis, AWS, Nginx, uwsgi, celery and third party usual suspects like google maps, pusher, GPS vendors, sendgrid, etc with **slack** for communications and **Jira** for tracking.

Backend Lead, Tripigator, Bangalore [March/2015 – June/2016]

- Joined as one of the first tech hire/**founding engineer for the product**. Worked directly with the CTO to design the complete tech architecture using python/Django from scratch.
- Had **complete ownership of the product** from design to development to deployment/Devops. Also responsible for **hiring, training and managing a 8 people strong tech team**.
- Created products used by travellers for hassle free bookings of holiday packages **at wholesale rates**, one of the first **fully customisable digital itinerary creator** and a critically acclaimed app to get all travel related content on the go across 700 destinations in India.

Senior Web Developer, Jaarwis Startups Accelerator, Gurgaon [Oct/2014 – March/2015]

- Was involved in **designing and developing an ecommerce platform** that helped SMEs and Merchants to get their own e-commerce independent site by just a click of a button. Created using Oscar/Django. Had Complete ownership of the REST APIs.
- Was also involved in a **marketplace product for home services** like plumbing, Carpenter work, painting, etc.

Consultant - Modeling and Optimization Lab, Data Analytics Team [Jan/2013 – October/2014] **[General Electric(GE) Global R&D Centre, Bangalore]**

- Developed a **Big-Data quality analysis** and improvement subproduct using **R** which is now part of the **Predix service** from the company.
- Created GUI interfaces and charts for various prediction models using **gWidgets** package in R.

Web Team Lead, CrestCore Solutions, Remote [Jan/2014 – June/2014]

- CrestCore Solutions, based in India and Riyadh, creates automation solutions for industry and home. I was involved with a **freelancing R&D team** for the creation of a smart-home MVP for the company.
- I **lead the web development** team responsible for creating a server app, using python based Django web framework, which serves as a browser interface for the customers to control devices and also monitor and modify the smart network.

Research Assistant, Networks Lab, Indian Institute of Science [July/2013 – Feb/2014]

- Part of a research project (CyPhyS+), which aims to **provide healthcare facilities to old age homes**, using wearable sensors at one end and a web based front-end at the other with a WSN in the middle, funded by Department of Information Technology, Govt. of India.
- Did **survey of various web technologies** (CMS like Wordpress, Joomla and Frameworks like Symfony, CodeIgniter and web architectures like SOAP and RESTful). Choose Django, a python based web framework, and developed a dynamic web-portal from scratch using it.
- Was introduced about **RPL** (Routing protocol for Low Power Lossy Networks. We modified it to make it more reliable for dynamic networks), Contiki 2.6, Working on Linux platforms(Ubuntu/Fedora), **HL7 standards** for healthcare data, **RESTful** Web Services, **Hadoop** and working with HTML/CSS/JavaScript/JQuery etc.

Web Development Intern, Centre for Development of Advanced Computing(C-DAC), Department of Information Technology, India [June/2012 - July/2012]

- Developed **secure messaging service** and front-end for a web-based Indian Education Networking website, 'Seekha.in', using PHP framework Symfony 2.

Education

Bachelor of Technology (NIIT University, Neemrana) [June 2013]

- Major : Computer Science
- CGPA 7.7 (Year 1 : 6.1, Year 2 : 6.4, **Year 3 : 8.7, Year 4 : 9.0**)
- Schooling: St. Mary's Convent, Lucknow (ISC Board).
 - Class X: 89%. Class XII: 88%.

Conferences and certifications

- '**COMSNETS**' 2014 : Demo our CyPhyS+ project representing IISc, Bangalore at the NetHealth Workshop
- 'Next Generation Healthcare Systems' Workshop: CyPhyS+ project was demoed and presented by our team at the Indian Institute of Technology, Hyderabad (**IIT-H**).
- SCILAB and LaTeX certification from **IIT Bombay**.
- NRS-1(Network Routing Specialist) training from **Alcatel-Lucent**.

Other Achievements and Interests

- **All India Rank – 1** in NIIT University Admission Merit List and EML(Extended Merit List) listed in IIT-JEE. Received **100% tuition scholarship**.
- Chosen from University to play **Chess with Grandmaster and five times World Chess Champion Viswanathan Anand** on University Founder's Day. Played a draw in a 20 move game.
- Founder of the College Cultural Committees of dance, drama and chess
- Active Volunteer for the 'Community Connect' Program under the '**HOLE IN THE WALL**' project by NIIT, **winner of \$1 million grant by TED**, as per which have been visiting a rural government primary school for 3 years since August – 2009 and had adopted a village school boy to impart education.
- Played city level U-15 Cricket (as Wicket-keeper/opening batsman). **Highest scoring batsman of NUPL-Season 1**(NIIT University Premier League)
- School Head Boy (St. Mary's Convent , RDSO)