Ratnadeep Debnath

- Email: rtnpro@gmail.com
- Twitter: https://twitter.com/rtnpro
- Blog: http://www.rtnpro.com
- Code: https://github.com/rtnpro
- LinkedIn: https://in.linkedin.com/in/rtnpro
- Mobile: (+91)7829649042

Summary

I am a Free and Open Source Software contributor and evangelist. I am the creator and maintainer of Waartaa (https://www.waartaa.com), an open source communication and collaboration tool for humans. I love writing useful and maintainable applications in Python using Django, asyncio, etc. and slowly, I am developing the taste for development in golang. I have a deep interest in infrastructure automation, continuous integration, continuous delivery and the ever evolving space of containers and container orchestration tools.

Goals

Use my skills to create open and transparent solutions to help make the world a better place.

Experience

Software Engineer, Red Hat, August 2015 - Present

At Red Hat, I worked on producing various tools for containers: Nulecule/Atomic App, Kompose and worked with container orchestration platforms like kubernetes, openshift. I also play a major role in the development of the CentOS Community Container Pipeline in terms of enforcing good product design and development, writing tests, setting up infrastructure tools, developer sandboxes and CI, automating deployments, etc.

Member of technical staff, Idea Device Technologies, April 2015 - August 2015

At Idea Device, my job is to build scalable applications for IT infrastructure automation. I am also involved in exploring the container technologies and currently working on prototyping a high level orchestration to build an auto scaling and self healing cluster on top of Docker and related technologies.

Senior Software Engineer at Ibibo Group Pvt. Ltd., May 2014 - Present

I was heading *communication* and *CRM* tools development, and also engaging in infrastructure plumbing as needed. I've revamped deployment process with Ansible, setup development workflow on top of vagrant, and also built a smart IVR framework to automate solving customer queries and requests. I've also prototyped plug and play widgets to empower complex use cases and flows in customer support page.

Software Engineer at Ibibo Group Pvt. Ltd., February 2013 - April 2014

Involved in web development for Goibibo: Flights and Go (a dynamic packaging product). It was an awesome experience to create apps which power various platforms like web, iOS, Android. I had also introduced Gitlab into Goibibo's ecosystem and worked to set guidelines for developer collaboration and release delivery around Gitlab.

Software Developer and QA at Transifex , June 2011 – January 2013

At Transifex, I developed new features, enhanced existing ones and implemented support for various i18n file formats. I also improved and maintained the test suite, added more tests to improve code coverage. User support, bug triaging and bug fixing were also part of my job.

Interests

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FOSS, Web  development, Fedora, Scaling, Analytics, Infrastructure  management,
Containers
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Skills

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Python, Django, MeteorJS, JavaScript, jQuery, Testing, CSS, HTML, AJAX, Linux, Ansible,
Docker, Openshift, Jenkins
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Projects

- Waartaa, an open source communication and collaboration tool
- IRCB, a scalable IRC bouncer for humans
- Statscache, a daemon to build and keep fedmsg statistics
- Other upstream contributions: Django, Python, Fedora Infra, Ansible, Firefox, Transifex, Wikimedia, Pontoon, nose-progressive, Kettu, Askbot
- Other pet projects: wordGroupz, WordCollections, FedX, django-pontoon-hook

Education

- **Bachelor of Technology**, Computer Science & Engineering from Dr. B. C. Roy Engineering College , 2007 – 2011 (DGPA/CGPA: 8.4)
- **AISSCE** from Gurukul Grammar Senior Secondary School, 2007 (Aggregate: 83.8%)
- **HSLCE** from Bongaigaon High School English Medium, 2004 (Aggregate: 87%)

As a speaker

FOSDEM, **Software Freedom Day**, **FUDCON**, **Flock**, **Devconf.in/Rootconf**

References

- Kushal Das, Fedora Cloud Engineer, kdas AT redhat DOT com