

# Robin Varghese

300 Audubon Parkway #6  
Syracuse NY-13224  
(607) 768 5050  
robin.codein@gmail.com

- [website](#)
- [github repository](#)

## EDUCATION

<b>Master of Science</b> , Computer Science	<b>Binghamton University</b> GPA: 3.7	<b>(Aug 08 - May 11)</b>
<b>Bachelor of Engineering</b> , Information Technology	<b>Mumbai University</b>	<b>(Aug 03 - May 07)</b>

## EXPERIENCE

<b>Software Engineer - Cloud Computing R&amp;D</b>	<b>NaviSite - A Time Warner Cable Co.,</b>	<b>(Aug 11 - Present)</b>
--	--	---------------------------

[NaviCloud Director](#) (coffeescript, python, nodeJS, Selenium, RabbitMQ, Mongo DB, vmware vCloud Director etc.)

- Currently sprinting in our flagship(Infrastructure As A Service) product development scrum team.
- Designed and developed a caching layer to significantly reduce initial app load times, using node.js worker.
- Implemented a search mechanism so that users could quickly narrow down to cloud assets (vm, networking, data-center etc)
- Researched and developed an initial suite of full stack automated tests with Selenium to suit our product.
- Designed and implemented a Continuous Integration and full automated deployment framework.
- API server development in Python on a Tornado Web server framework with a mongoDB datastore.
- Web app development using coffeescript, twitter bootstrap, spineJS as our MVC framework, grunt js as our build tool.
- Developed ansible scripts to automate frequent prod and dev tasks (ex. stock deployment, app stack updates etc.)

Near realtime stream processing and analytics(clojure, python, mongoDB, HAProxy, aleph, netty, RabbitMQ)

- Developed a syslog event stream processing system to comply with SAS70 audit requirements.
- Harnessed features of load-balancers to achieve scalable and fault tolerant architecture.
- Developed a scalable layer to receive data stream in clojure using netty framework to push data to queue.
- Utilized RabbitMQ message queue to streamline events into distributed [storm](#) processing nodes.
- Orchestrated mongoDB clusters to map reduce and deliver near real time reports via [webnoir](#) API server.
- Developed automated fabric scripts to deploy, monitor and control nodes/layers in the application stack.

Cloud Services Platform IaaS (Linux Apache MySQL Python, git, javascript, Java, vmware vSphere etc.)

- Researched and incorporated various features into our application (ex. 2 factor auth, automation scripts for customer provisioning, NetScaler loadbalancers, Nginx reverse proxying etc.)
- Designed and developed a module to collect info for a new customer's virtual infrastructure provisioning.
- Researched and developed several POCs, in-order to investigate new technologies for our virtualization platform.
- Resolved production concerns with appropriate solutions promptly in DevOps team.

<b>Software Developer</b>	<b><a href="#">THIRSTIE.com</a> - <a href="#">TailfinVentures</a></b>	<b>(May 13 - Present)</b>
---------------------------	---	---------------------------

Admin portal (django, coffescript, angularJS) API(tornado, python, django, SQLAlchemy, MySQL, RabbitMQ etc.)

- Developed a single page web app to complement django's admin portal for back-office work flows and management.
- Report integration and capturing key financial performance metrics.
- Implemented all cart management API endpoints as tornado handlers.
- Designed and developed an email notification engine to deliver alerts to customers about order processing.

<b>Information Analyst - Binghamton, NY</b>	<b>United Health Services(UHS)</b>	<b>( Aug 10 - Aug 11)</b>
---	------------------------------------	---------------------------

- Worked with a clinical team to understand various facets and causes of readmissions, further developed a probabilistic scoring model(LACE tool) from research to project patient's readmission likelihood.
- UHS was awarded "[Siemens 2011 Inspired Healthcare Outcomes Challenge](#)" for LACE tool.
- Designed, developed and maintained executive dashboards, statistical models, OLAP cubes and other analytics tools.

<b>Software Intern - Binghamton, NY</b>	<b>Katalytik Inc.</b>	<b>(Sep 09 - June 11)</b>
---	-----------------------	---------------------------

Android App development (Android(Client), JSON(web services) & Spring, hibernate, mongoDB)

- Co-designed and developed our core web services.
- Led the team to migrate from a RDMS data store to a NoSQL solution, using mongoDB
- Developed desktop and mobile app for Clinical Physician Order Entry(CPOE).

<b>Expert Mining - Master project</b>	<b>Research Binghamton University</b>	<b>(May 09 - May 11)</b>
---------------------------------------	---------------------------------------	--------------------------

- Researched and developed a [web page classification model](#) with Weka, openNLP, openCV and Lucene.