

Robin Varghese

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- [website](#)
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Whatever the problem i like to be part of the solution. I thrive in a environment of uncertainty & constant learning. I enjoy empowering others in my [knowledge space](#) and developing software to surface information from data.

EXPERIENCE

Manager, Business Analytics - Innovation [Arnot Health](#) (Jan 18 - Present)

2019 (AWS, SQL, Tableau, python, scikit-learn, jupyter, pandas, d3.js etc.)

- Currently leading the team to develop next generation prescriptive analytics leveraging our data lake to support [chronic disease prevention and management](#)
- Guide the team in enhancing our data visualization solutions using [jupyter](#), [bokeh](#), [HoloViews](#) & [PyViz](#)
- Conducted several market research analysis using [Medicare claims dataset](#) and [NY SPARCS dataset](#)
- Lead several projects with AWS to ensure well architected HIPAA compliance environment (ex. [Athena](#), [s3](#), [QuickSight](#), [IAM](#) etc.)

[more...](#)

2018 (Hadoop, SQL, Tableau, python, scikit-learn, django, coffeescript, d3.js etc.)

- Lead the team through pilot and deployment phases of an in-house Hadoop data lake.
- Provide coaching and direction to analytics team in regard to best practices/approaches for software development, statistics and machine learning techniques.
- Communicate findings from exploratory and predictive data analysis to Arnot Health leadership.

[more...](#)

Sr. Analyst – Business Analytics [Arnot Health](#) (Apr 15 – Jan 18)

2017 (python, coffeescript, angular, d3.js, django, redis)

- Lead development of our next generation analytics platform to analyze and visualize disparate data sources.

2016 (SQL, Tableau, python, scikit-learn, django)

- Developed readmission prediction models using scikit-learn to advance our [Population Health Initiatives](#).
- Developed near real-time actionable notifications for our care-coordination team.
- Created several dashboards to surface key information from across our health care system and to support [data-driven decision](#) making at all levels of Arnot Health system.

2015 (SQL, Tableau, SSIS)

- Lead the Business Analytics team in developing an in-house EDW and [predictive analytics solutions](#).
- Mentor the team to incorporate best practices for software development (version control, automation etc.)
- Architect data pipelines and underlying process to integrated data from all business units into EDW.

[more...](#)

Software Consultant [Thirstie](#) (Aug 13 – Present)

- R&D for inventory management, business intelligence and software development in general.

Software Engineer - Cloud Computing R&D [NaviSite - A Time Warner Cable Co.](#) (Aug 11 – Apr 15)

2014 (coffeescript, python, nodeJS, Selenium, RabbitMQ, Mongo DB, vmware vCloud Director etc.)

- R&D on several core components caching layer, search capabilities, continuous integration etc.

2013 Distributed system development(clojure, python, mongoDB, HAProxy, aleph, netty, RabbitMQ)

- R&D of a near realtime, scalable & fault tolerant architecture to process syslog event stream.

2011-12 Cloud Services Platform IaaS (Linux Apache MySQL Python, git, javascript, Java, vmware vSphere etc.)

- R&D on new services (ex. virtualization, 2 factor auth, automated customer provisioning etc.)

[more...](#)

Research Assistant - Binghamton, NY [United Health Services\(UHS\)](#) (May 10 – Aug 11)

- Worked with a clinical team to understand various facets of readmissions, further developed a classification model UHS was awarded "[Siemens 2011 Inspired Healthcare Outcomes Challenge](#)" for this work

[more...](#)

Expert Mining - Master project [Research Binghamton University](#) (May 09 - May 11)

- R&D work on a [web page classification model](#) with Weka, openNLP, openCV and Lucene

[more...](#)

EDUCATION

Big Data in Healthcare Applications [Harvard University](#) Fall 2016

Master of Science, Computer Science [Binghamton University](#) GPA: 3.7 (Aug 08 - May 11)