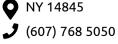
Robin Varghese







robin.codein@gmail.com

Whatever the problem i like to be part of the solution. I thrive in an 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 <u>chronic disease prevention and management</u>
- 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. <u>Athena</u>, <u>s3</u>, <u>QuickSight</u>, <u>IAM</u> 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 for software development, data science 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 <u>data-driven decision</u> 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. <u>more...</u>

Software Consultant Thirstie (Aug 13 – Present)

• R&D for inventory management, business intelligence and software development.

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)