

The University of Connecticut (UConn), Analytics and Information Management Solutions (AIMS) group (<http://aims.uconn.edu>) is seeking to hire **Big Data Engineer/Architect** (Operating System Programmer/Analyst 2, 3 or 4- UCP 7, 9 or 10)

UConn AIMS, working with the State of CT's Office of Health Strategy (OHS), is leading the design, development, and implementation of the Core Data Analytics Solution (CDAS). This is an exciting opportunity to develop innovative solutions utilizing leading-edge technologies as we explore new ways to revolutionize the healthcare experience in the state of Connecticut. We are seeking talented, highly motivated individuals who are eager to learn new technologies, challenge the status quo and make a positive impact for all consumers of healthcare services.

Our Technologies, your Opportunities:

C# / ASP.NET MVC / Angular / Microsoft SQL Server / Azure / Tableau / R / Java / SSRS / SSIS / GIT / JIRA / TFS / Linux / Windows / Hortonworks Hadoop / Python / Visual Studio / Informatica / MongoDB / Redis

Job Duties & Responsibilities include but are not limited to:

1. Architect the complete life cycle of a Big Data/Hadoop frameworks and architecture implementation.
2. Provide integrated infrastructure-related technical expertise, from conceptualization and project planning to the post-implementation support level
3. Design and develop big data concepts, Hadoop ecosystem components, and complementary technologies such as HDFS, Hive, Spark, HBase, Oozie, and Kafka; as well as cloud technologies such as block storage, object storage, computational infrastructure services, and higher-level database services.
4. Design and develop data flow and transformation processes pipelines for ingestion and analysis using modern toolsets such as Spark on Scala, Kafka, Flume, Sqoop, and others.
5. Design data capture, security, processing, organizing, and provisioning structures to ingest various healthcare data sets to enable data enhancement, enrichment, and exploration/mining.
6. Resolve complex systems integration issues including activities associated with various solution components and networking technology.
7. Conduct research on emerging technologies, and recommend technologies that will increase operational efficiency, infrastructure flexibility, and operational stability.
8. Self-motivated/guided and able to work in a startup environment.

UCP 7 Minimum Qualifications

1. Bachelor's degree (or equivalent combination of education and experience) in Software Engineering, Computer Science, Information Systems, or a related Science, Technology, Engineering and Mathematics (STEM) discipline.
2. Minimum of two (2) years' experience in Structured, Semi-Structured, and/or Un-structured data with progressive responsibilities in data architecture.

3. Demonstrated experience architecting, designing, and developing Big Data frameworks and components, such as SQL Server, SSIS, Hadoop, Spark, Storm, HBase, HDFS, NIFI, Pig, Hive, Scala, MapReduce, Yarn, Kafka, PyScripts, Unix Shell scripts, Hadoop streaming, Oozie, Sqoop, and/or Ranger.
4. Strong verbal and written communications skills and ability to communicate effectively across diverse teams, collaborating with team members.

UCP 9 Minimum Qualifications

1. UCP 7 Minimum Qualifications
2. Demonstrated one or more years' concurrent experience with creating data flow diagrams, technology-agnostic data models, and/or documentation for complex data systems and encompassing processes.
3. Considerable knowledge and experience with various forms of data design, such as OLTP, OLAP, ODS, Normalization, and/or data stores (Star and Snow Flake schemas)

UCP 10 Minimum Qualifications

1. UCP 9 Minimum Qualifications
2. Demonstrated two (2) or more years' experience leading a data team focused on data-management, transformation, modeling, security, and/or transport.
3. Considerable knowledge and significant experience implementing security components, such as data encryption, masking, and/or data use entitlements.

Preferred Qualifications (All UCP levels)

1. Experience with Azure IaaS, PaaS, and SaaS (or another Cloud-based infrastructure), including readiness, provisioning, security, and/or governance.
2. Experience with Informatica Big Data Management (BDM) tools
3. Experience in Metadata management, data lineage, data governance, especially as it relates to Big Data.
4. Experience with various healthcare formats and reference data sets, such as, HL7, claims, eCQMs, drug/pharmacy, clinical notes, and/or lab results.

APPOINTMENT TERMS: This is a full-time, grant-funded position that is subject to annual renewal depending on available funding and job performance. The typical work schedule is Monday – Friday, 8:30 am – 4:30 pm. Salary and position level will be commensurate on the successful candidate's experience and training. Work location is at the Hartford campus.

TO APPLY: To apply, please submit an online application that includes a cover letter, a resume and contact information for three (3) professional references, online via UConn Jobs, Staff Positions (www.jobs.uconn.edu). Evaluation of applications will begin immediately. Employment of the successful candidate is contingent upon the successful completion of a pre-employment criminal background check. (Search # 2019396)

This job posting is scheduled to be removed at 11:59 p.m. Eastern time on March 17, 2019.

All employees are subject to adherence to the State Code of Ethics which may be found at <http://www.ct.gov/ethics/site/default.asp>.

The University of Connecticut is committed to building and supporting a multicultural and diverse community of students, faculty and staff. The diversity of students, faculty and staff continues to increase, as does the number of honors students, valedictorians and salutatorians who consistently make UConn their top choice. More than 100 research centers and institutes serve the University's teaching, research, diversity, and outreach missions, leading to UConn's ranking as one of the nation's top research universities. UConn's faculty and staff are the critical link to fostering and expanding our vibrant, multicultural and diverse University community. As an Affirmative Action/Equal Employment Opportunity employer, UConn encourages applications from women, veterans, people with disabilities and members of traditionally underrepresented populations.