Your challenge

- Architecture, Development and Migration of healthcare/big-data applications to take advantage of elastic, cloud-computing paradigms.

Elastic Healthcare applications and services are the future of Digital Philips and you will be in a key position to contribute to bringing cloud computing paradigms into the product portfolios of Philips Businesses.

Your responsibilities

- Cloud-based Computation, Big data organization, access controls and versioning
- System Administration scripting for cloud-automation
- Distributed High Performance computing including HADOOP and other cloud-based parallel programming paradigms (CUDA programming, Parallelization, Clusters)
- Parallelize/speed up algorithms developed by (other) researchers in
  - Bioinformatics, Sequencing, Genetics
  - patient monitoring, healthcare population health analytics algorithms
  - natural language processing in the context of clinical ontology applications

Your team

You will be a member of the prototyping team that brings software engineering and design-pattern expertise to the research project teams who are creating prototypes and demonstrators. Successful demonstrators are transferred to the Philips Business units for productization and introduction into the market.

Our offer

- Cutting-edge work in extremely large data and compute intensive cloud application development
- Philips Research NA seeks an exceptional Cloud Developer/Software Programmer who will develop and deploy cloud-based scalable infrastructures and applications working closely with research project teams performing basic research.

We are looking for

- BS in Computer Science, and 2+ years of work experience
- C/C++ or Java – preferably both
- R, perl, python, linux expertise
- Cloud computing environments and architectures (preferably Amazon Web Services)

Plus experience in

- Cloud application development experience, native cloud-based file systems, resource monitoring
- Ability to learn and grow knowledge in (nascent) cloud provider’s toolboxes and services
- Understanding language of researchers, working with dynamic specifications, limited documentation
- Agile SW development, unit testing, SW engineering knowledge

Contact

John.mastro@philips.com
Murali.mani@philips.com
Philips Research North America is an equal opportunity employer. To learn more about Philips Research North America log on to www.research.philips.com.

Job ID: