

# Kevin Sayers

Denver, CO

[sayerskt@gmail.com](mailto:sayerskt@gmail.com)

Bioinformatician focused on workflows and engineering challenges for computational researchers. Experience with containerization, cloud, and Kubernetes. Development experience in Python, Groovy, and Nextflow. Certified Scrum Master with experience in project management.

Willing to relocate: Anywhere

Authorized to work in the US for any employer

## Work Experience

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### Workflow Developer

SIB Swiss Institute for Bioinformatics - Basel, Switzerland

November 2017 to Present

- Acted as a workflow subject matter expert for the Swiss Personalized Health Network
- Chaired a 5 person working group tasked with developing interoperable workflow infrastructure for the Swiss Personalized Health Network (SPHN).
- Organized a 35 person workshop focused on bioinformatics workflows and workflow managers including leading international experts in the domain.
- Explored ways to federate workflow execution of containerized workflows across multiple HPC environments.
- Coordinated the ELIXIR Switzerland node application and contributions to the "Compatible Cloud" implementation study for federated workflow execution.
- Coordinated collaborations with Swiss and international groups to further informatics services available to researchers.

### Graduate Intern

Centre for Genomic Regulation, Comparative Bioinformatics Group - Barcelona, ES

March 2017 to Present

- o Developing a Common Workflow Language to Nextflow converter in Groovy
- o Built Docker containers to be utilized as part of Nextflow workflows
- o Created additional pipelines for testing converter including common NGS pipelines.
- o Deployed pipelines to cloud and HPC environments

### R&D Research Associate

Biodesix, Inc

December 2012 to August 2016

- o Worked in an interdisciplinary role collaborating with software engineers, scientists, and data analysts.
- o Prototyped data handling and analysis tools in C# or Python
- o Participated in experimental design for MALDI-TOF MS analysis

## Summer Intern

National Institutes of Health, National Cancer Institute - Frederick, MD  
2007 to 2012

- o Employed various protein chemistry techniques to analyze blood plasma.
- o Investigated proteins involved in epithelial to mesenchymal transition.
- o Used BLAST and MASCOT to identify proteins of interest.
- o Worked with a variety of instruments including MALDI-TOF MS and HPLC.

## Education

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### MSc in Bioinformatics

Universitat Autònoma de Barcelona  
2017

### B.S. in Biochemistry and Molecular Biology

University of Maryland Baltimore County (UMBC) - Baltimore, MD  
2012

## Skills

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Python (5 years), RNA-seq (1 year), Groovy (Less than 1 year), Bioinformatics (4 years), Git (3 years), SQLite (2 years), AWS (2 years), Kubernetes (1 year), Containers (2 years), Scrum (1 year), HPC (2 years), Docker (2 years), JIRA (1 year), Nextflow (3 years)

## Links

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<https://github.com/KevinSayers>

<https://twitter.com/KevinTSayers>

## Certifications/Licenses

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### Certified ScrumMaster (CSM)

September 2018 to September 2020