

JOB DESCRIPTION	
Job Title /Researcher Profile	Full StackWeb Development
Job Code	MicGenFS_01_GEM_11202
Full/part Time	Full
Research Field	Web Programming / Bioinformatics
Direct Supervisor	Marc Noguera-Julian
Years experience required	2-4 years experience
Required Languages	ENGLISH: Medium
Indicative Starting Date	January 2022
Minimum degree and field of knowledge	Computer Science Master Engineering
Summary	<p>The microbial genomics group at IrsiCaixa AIDS Research Institutes focuses its research on the interaction of human microbiome and health, using high throughput sequencing technologies and advances bioinformatics techniques supported by high performance computing.</p> <p>We are looking for an exceptionally motivated and experienced full stack software developer to get involved in microbial genomics research and lead the development of a cloud-based clinically actionable software web platform for microbiome data analysis to translate research results into the clinical environment.</p>
Offer /Job Duties	<p>Your job in Microbial Genomics Group at IrsiCaixa:</p> <ul style="list-style-type: none"> • As a full stack software developer, you will design, coordinate and implement the development plan of the software to be used in microbial genomics research. • You will actively participate in research activities within microbiome and HIV genomics, design and implement genomics data management plans and in research publications. • You will be daily working within a pluridisciplinary team with clinicians, bioinformatics, biology, and microbiology backgrounds • You will be interacting with medical and bioinformatics experts that will assess product-centered software design by participating in regular meetings to ensure timely prototype deliverables.
Candidates profile / Qualifications	<p>Requirements:</p> <ul style="list-style-type: none"> • Familiar with front-end web programming skills (html, css, php, javascript, ...) and back-end programming and database management, both SQL and non-SQL(MongoDB) and Agile development • Cloud based Linux design/admin/monitoring. Familiar with AWS services for computing(EC2), storage(S3, glacier), DB(RDS), Messaging(SQS), Batch, CI/CD, Serverless(Lambda), and general development(python boto3 SDK) and management . • Scientific computing skills (mostly python and R), Machine learning and data integration techniques • Knowledge of Next Generation Sequencing and genomic data analysis will be an asset. • Highly motivated and proactive attitude. • Fluent English.

	<ul style="list-style-type: none">• Maintaining close communications with supervisor regarding progress.• Candidates must be highly motivated and independent, with the ability to work in a dynamic team environment.• Good organizational skills and excellent attention to detail.• Ability to perform as a team member and must have good interpersonal skills.
Deadline for Application	November 30, 2021
Required documents	<ul style="list-style-type: none">• Academic certificate corresponding to the degree or degree (Degree, Bachelor)• Curriculum vitae• Academic record
Contact	E-mail : mnoquera@irsicaixa.es