CCT Labs PostgreSQL Database Internals Developer

Job description

Convergence CT is developing a Global Healthcare Data Network (GHDN) to virtually interconnect and federate clinical data warehouses to provide de-identified real-world healthcare data to pharmaceutical, university and governmental researchers worldwide in an easy-to-use, scalable, highly available, managed, secure, and audited way with the goal of improving global healthcare through fostering of Real-World Evidence based research.

We are looking for a senior software developer, who is an expert in the SQL language and internal SQL database development, to help us design, code, and test new additional capabilities within the open source PostgreSQL database to provide unique novel functionality needed to implement our vision.

The position will be part of our CCT Labs organization based at i-GATE Innovation Hub's "The Switch" facility in downtown Livermore located in California's Tri-Valley. Our small "Lean Startup" team of experts are designing and developing the GHDN platform on the Amazon Web Services (AWS) cloud in conjunction with application and clinical data warehouse development teams based in Japan and China.

Required expertise:
- At least one-year internal development of PostgreSQL 10+ or SAP HANA 2.0 database.
- At least four years software development using C and JavaScript programming languages.
- Experience porting, developing and/or supporting an ODBC/JDBC standard DBMS interface.
- Considered an expert in the relational database Structured Query Language (SQL).
- Skilled in software design and coding others can easily understand and build upon.

Helpful expertise:
- Experience with the Git version control system and JIRA issue & project tracking.
- Experience with AWS services, Lambda, and the DynamoDB NoSQL database.
- Amazon Web Services (AWS) Solutions Architect, Developer and/or DevOps certifications.
- Familiar with SAP Lumira, Tableau, and/or the Elasticsearch, Logstash, Kibana (ELK) stack.
- Experience with REST APIs, JSON, OAuth 2.0, JWTs, GraphQL, and TCP/IP networking.
- Familiar with Agile development and Lean Startup team methodology.

The position is offered as an initial 3-month consulting opportunity that can lead to a regular permanent position. It reports directly to Convergence CT's CTO with compensation rate based on skills and experience.

Only if you:
- Meet ALL the requirements listed in the Required expertise section above, and
- Are a U.S. Citizen or green card Permanent Resident authorized to work in the U.S., and
- Live in California's Tri-Valley, Silicon Valley or Central Valley in commute distance to Livermore and can spend at least 3 days/week in Livermore in joint design/development efforts with the CCT Labs team,

You can apply via LinkedIn or by e-mailing your resume to gthompson@convergencect.com

About us

Convergence CT (www.convergencect.com) is a global health information company founded in 2001 and based in Honolulu Hawaii. Its goal is to connect technologies to manage and use big data to the benefit of patients, healthcare providers, researchers, and life science companies.

Convergence CT develops and markets highly secure patient data warehouse products, query tools, and patient data research analytics for the pharmaceutical, biotechnology, and healthcare industries. Emphasizing the 'convergence' of rich clinical data with advanced information technology and analysis, it is able to offer a fresh and innovative approach to accelerating medical research, clinical development, and departmental analysis. Its solutions significantly improve efficiencies for healthcare data management and data analysis, outcomes and disease management, clinical trial planning and recruitment processes, and research for global markets.

Since 2001, Convergence CT has implemented over 27 clinical data warehouse systems for 76 hospitals and medical groups in Japan, Taiwan, China, Canada and the United States.
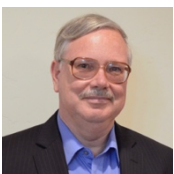
Company details
Website
http://www.convergencect.com

Year founded
2001

Company type
Privately Held

Company size
Under 100 employees across the U.S., Japan and China.

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