



Data Architect (Based: Carlsbad, CA)

JOB OPENING

The **Data Architect** role at ImpediMed is the blending of hands-on data and business analytics combined with systematic and architecture level experience related to data and business analytics system. Ideal person in the role has already led data architecture functions along with data analysis, data presentation, report writing, data-warehouse functions for a customer facing product development for data and analytics towards the product launch and being used by several customers in a cloud environment.

ImpediMed is a medical technology SaaS company that uses bioimpedance spectroscopy (BIS) technology to generate powerful data to maximize patient health.

ImpediMed's management team includes executives who have international experience in successfully introducing innovative medical products to global markets. The organization is dynamic and professional and has been built from the ground up with a strong team of enthusiastic and dedicated senior managers, researchers, and employees. The company is on a dramatic growth path with the strong demand for its unique product offerings and offers exciting career opportunities.

ImpediMed's Company Vision: *Leave no patient untested who could benefit from our technology.*

ImpediMed's Core Values: Integrity, Accountability, Collaboration, Respect, Quality, and Compliance.

ABOUT IMPEDIMED

Based in Brisbane, Australia with its principal office located in Carlsbad, CA, USA and a European office in Thessaloniki, Greece, ImpediMed is the world leader in the design and manufacture of medical devices employing bioimpedance spectroscopy (BIS) technologies for use in the non-invasive clinical assessment and monitoring of tissue composition and fluid status. ImpediMed Limited is a public company listed on the Australian Stock Exchange (ASX: IPD).

ImpediMed devices are currently used in both the clinical and research settings with future applications being developed for home use. ImpediMed has over 15 years of clinical experience supporting healthcare professionals in the assessment of secondary unilateral lymphedema of the limbs. ImpediMed's devices are used in a variety of settings to aid surgeons, oncologists, therapists, and radiation oncologists. Our research devices are thought of as a gold standard measurement system for non-invasive fluid and body composition measurement, used in both animals and human research.

We were the first company to receive FDA clearance in the U.S. to aid healthcare professionals to clinically assess unilateral lymphoedema of the arm and leg in women and the leg in men, for our L-Dex® U400 device. ImpediMed's products are unique in the field of BIS which is the gold standard in bioimpedance. They scan the full frequency range from 3kHz to 1000kHz taking readings from 256 unique points. In BIS, ImpediMed has developed devices which are the most accurate and clinically useful in this field. ImpediMed is respected in the BIS field for the strong scientific foundation of its approach to BIS with over 400 peer-reviewed journal articles. ImpediMed's products are designed and manufactured to an ISO 13485 Medical Devices Quality System.

The company is advancing the state of the art in BIS technology with our new product platform called SOZO®. Only SOZO® by ImpediMed uses proprietary bioimpedance spectroscopy technology to gather and retain thousands of unique data points related to fluid status and tissue analysis, then applies indication-specific algorithms to produce accurate, detailed, and actionable results in only 20 seconds. SOZO® identifies opportunities for early interventions that may prevent certain conditions and slow or reverse the progression of others, resulting in better health and quality of life. A single, powerful SOZO® reading allows individualized, proactive care across multiple specialties for improved clinical and economic outcomes. SOZO® is the world's first interactive health monitor to use ImpediMed's patented bioimpedance spectroscopy (BIS) technology to monitor a person's fluid status and tissue analysis.



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ImpediMed produces a family of FDA cleared and CE Marked medical devices, including SOZO®, sold in select markets globally. For more information, see our website at www.impedimed.com.

PRIMARY DUTIES & RESPONSIBILITIES

(Essential Functions of the Position) Include but are not limited to the following. Other duties may be assigned.

- Lead and own the functional requirements, architecture and key design decisions of features that spans across different data for SOZO including database, reports, analytics, ETL etc.
- Create, lead and manage the scalable data architecture, ETL, Datawarehouse, and Reporting functions.
- Be the key technical contact for product managers, customers, stakeholders, and software development team as it relates to data and analytics.
- Perform high level technical feasibility analysis of requested features.
- Architectural design of data blocks and layers including block diagrams, flow charts, entity relationship management, proof of concepts, reports and data base schema, etc.
- Participate in planning software evolutionary paths and feature roadmaps.
- Participate in the system specification review process to ensure system requirements can be translated into valid data architecture.
- Evaluate new technology or tools and plan their insertion into various teams as it relates to data and analytics.
- Participate in architecture and code review to ensure quality of the design, avoid un-needed complexity, advocate for clarity as it relates to data and analytics.
- Provide input and strongly support design guideline documentation driving forward the continuous improvement of the various software team practices, process, and methods and overall quality of deliverables.
- Manage the technical relationship with key vendors.

QUALIFICATIONS GUIDELINES (Typical Knowledge, Skills, & Abilities)

- Databases, business analytics, ETL, Datawarehouse, and Data Reporting
- In-depth understanding of database structure principles. Database development – schema development, report development, ETL, and Datawarehouse design and development
- Familiarity with data visualization tools (Tableau and D3.js), ETL and programming languages such as SQL, Python, R and Java
- Deep understanding and practical experience with data mining, data modeling, data science, and artificial intelligence etc.
- Data and Data Sets Analysis skills to identify trends, outliers, and data patterns.
- Ability to build and manage models to predict future outcomes from existing data using Machine Learning (Descriptive and Predictive modeling).
- Strong communication and interpersonal skills with demonstrated collaborative teamwork capabilities.
- Structured approach to troubleshooting and problem solving.

MINIMUM EDUCATION and/or EXPERIENCE

- Bachelor's degree in Computer Science, Electrical Engineering, Computer Engineering or equivalent.
- 5 years of experience with either one or more of functions such as Data Architect, Data Developer, Business Analytics, Data Scientist, Data Analyst, or similar role.
- 10+ years of hands-on data base development, data reporting and ETL / Datawarehouse development experience.
- Medical Device experience coupled with digital health experience or clinical data analysis experience is a plus.



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BENEFITS

Total Rewards

At ImpediMed, we are strongly committed to our employees--their well-being, development, rewards, and recognition opportunities. One way we demonstrate this commitment is by offering a valuable, competitive package of compensation and individualized benefits programs aimed at the varying needs of our diverse and global teams. The sum of our programs is one of the many reasons people choose to work at ImpediMed. We regularly benchmark against other companies in our industry to ensure our Total Rewards package is competitive and of value.

We offer full healthcare benefits including: Medical PPO/HMO/HSA Plan Choices, Dental Plan, Vision Plan; 401(k) with employer match for full-time employees once vested in plan. Basic Life, AD&D, STD/LTD, Employee Assistance Program (EAP) and employee discount programs.

Diversity & Inclusion

It is our diverse teams who drive our innovation, creativity, and success. We value the unique backgrounds and experience of all our employees and share a set of core values of ethical behavior for conducting our business. We continuously strive to provide an environment where employees not only feel they can succeed, but also where they can thrive.

TO APPLY

Please email your resume to employment@impedimed.com subject line reading: Data Architect OR Direct online applications are also available on LinkedIn.

ImpediMed is an Equal Opportunity/Affirmative Action Employer