



# PRINCIPAL SOLUTIONS ARCHITECT

**Job Title:** Principal Solutions Architect

**Location:** Chicago, Illinois, United States, or Remote

## What does Orthogonal do?

Orthogonal is a product development consulting firm that creates software that operates directly on the human body (at scale) to treat and heal sickness and injury. Our solutions take on some of the toughest healthcare problems facing our society, healthcare system, and loved ones.

Working at Orthogonal, you will immediately be exposed to projects that will:

- Revolutionize the rapid detection of COVID-19 and other infectious diseases
- Improve the minute-by-minute lives of millions of people suffering from the lifetime affliction of diabetes by managing delivery of insulin into the human body
- Completely transform the early diagnosis of Alzheimer's disease
- Create an at-home medical device that patients use to stimulate specific nerves in the body to treat chronic conditions that drag down the quality of everyday life
- Create software powering the next generation of omics-based cancer detection systems

## The Outcomes You Will Create



- At a client/project level, drive the technology strategy and architectural level to:
  - The selection of software methods and technology stack for
    - Business development and proposal efforts for future work
    - Orthogonal project-based solutions
  - The effective transition from architecture to engineering for follow-through, optimization, and refinement on the original technology vision
- For business development and account, map to and build relationships with in-house client technology leadership as a trusted advisor.
- Actively contribute to the development of Orthogonal's' technology roadmap and technology point of view for all aspects of our work in SaMD, DTx and other types of connected medical devices.
- Help nurture the in-house capacity of our greatest/only real asset: our human capital
- Increase Orthogonal's market presence as The Market Leader in our space.

### **The mindset you should have**

- An ability to learn on-the-job to become domain “competent” and then a “domain expert” in a number of domains including:
  - the business of the medical device industry, and
  - the intersection of technology and regulatory contexts of the medical device industry.
- A networking-oriented approach to creating and maintaining trusted business relationships through the creation of value that pay dividends over the long term
- A strong combination of soft skills and traits related to teamwork, collaboration, analytics, leadership, creativity and communication

### **The technical and business background will you need**

Without belaboring what should be clear from the above details:



- You should have serious technical and business chops related to custom software development including Mobile Apps, Web Apps, connected devices (i.e., IoT) and Bluetooth, cloud-side solutions and infrastructure-as-code, cybersecurity.
- You should be steeped in:
  - A range of modern software development tools and methods such as various flavors of lean and agile
  - Be a practitioner of data-driven fast feedback loop learning techniques
  - A believer that great ideas can come from anywhere and the best solutions are the ones that borrow as useful from anywhere, and that no one hammer is the solution to everything.
- You should be a strong believer in the power of empowered people and motivated, high-performance teams to tackle large challenges and accomplish great things that make a difference.
- You are comfortable working in the grey space of responsibly accelerating the velocity of product development and enhancement in a type of critical infrastructure where “moving fast and breaking things” would mean harming human health at scale.

## **Benefits**

This position offers:

- A competitive salary
- Great benefits
- A high-profile role working as a part of passionate leadership team and a staff of people-centered professionals
- A great physical office environment, as well as flexibility on work location



- An opportunity-based environment where you can develop a wide range of professional skills
- The chance to learn about a fast-growing and impactful industry

Interested? Send inquiries to [careers@orthogonal.io](mailto:careers@orthogonal.io)