



## **API Integration Specialist:**

**Job Requisition id: R000522**

**Location: India, Remote**

**Job Type: Contract, Part-time**

**Job Description:**

**About the Role:**

We're seeking a skilled API Integration Specialist to build the connective tissue between CentroidAI's donor intelligence platform and the diverse ecosystem of plasma center management systems. You'll be the architect of our integration strategy—designing, building, and maintaining robust API connections that allow our AI-powered insights to flow seamlessly into the tools plasma centers use every day.

This role sits at a critical junction: translating business requirements from plasma operators into technical integration specifications, then implementing those connections with reliability and scale in mind. You'll work with legacy donor management systems, modern cloud platforms, and everything in between—often with incomplete documentation and varying levels of vendor support.

If you thrive on solving complex integration puzzles, enjoy working directly with customers to understand their technical environments, and take pride in building rock-solid data pipelines, this role offers significant impact and autonomy.

**About CentroidAI:**

CentroidAI LLC is a technology and data analytics company. We operate in startup mode EVERYDAY. We are passionate about healthcare, and our mission is to bring life-saving immune-deficiency therapies to patients that need it most. We solve the problem of not enough plasma collections, using sharp data analytics, AI solutions and innovative approaches.

At CentroidAI, we understand the fatigue around empty AI promises. Unlike the many companies that use “AI” as a label without delivering real value, we are building a genuine AI platform grounded in domain expertise and operational impact. Our startup mindset drives us to focus relentlessly on delivering measurable business outcomes—turning



advanced technology into practical tools that solve today's toughest challenges for our customers. We put value first, because for us, AI is about results, not hype.

CentroidAI is passionate about; our employees and contractors, customers and the value/quality of our solutions. These are manifested in our four corporate values as follows:

**1. People-First**

We treat our team as our primary advantage, creating a high-trust, low-ego environment where people can learn fast, take smart risks, and do the best work of their careers. Happy employees will take care of our customers, and always do the right thing.

**2. Customer Delight**

We will make our customers wildly successful in raising their donations at a much lower cost; ultimately benefiting patients; this is in line with our vision. The customer puts food on our table (Mahatma Gandhi) and without customers we would not exist.

**3. Patient-Impact**

Our purpose is to solve real problems for patients and clinicians, and we prioritize work that moves the needle on access, outcomes, and affordability. Everything that we do has to keep the patient's outcome front and center.

**4. Futuristic R&D**

We push the boundaries of science and AI like a scrappy lab, rapidly testing bold ideas and turning them into practical tools before bigger players even notice the opportunity. At our core, we are a technology company that brings business value from data.

**5. Integrity**

We will always do the right thing, at all times. We abide by regulations, stay honest, fulfil contractual obligations and respect the letter of the law. Without discrimination – whether with employees, customers, patients, partners or whoever. It will be noticeable.

**Key Responsibilities:**

**Integration Design & Implementation (50%)**



- Design and build RESTful API integrations with donor management systems (e.g., Hemasoft, eCapture, ProDonor, custom platforms)
- Develop bidirectional data synchronization workflows (donor data in, insights/recommendations out)
- Create custom API connectors for plasma center ERP systems, scheduling software, and payment platforms
- Implement webhook listeners and event-driven architectures for real-time data updates
- Build data transformation pipelines to normalize data across diverse source systems
- Design error handling, retry logic, and fallback mechanisms for integration reliability
- Develop and maintain API client libraries and SDKs for common integration patterns

### **Technical Discovery & Documentation (20%)**

- Conduct technical discovery sessions with plasma center IT teams to understand their infrastructure
- Analyze existing APIs, databases, and data models to design optimal integration approaches
- Create detailed integration specifications and data mapping documentation
- Document API endpoints, authentication methods, rate limits, and data schemas
- Build integration playbooks for common donor management systems
- Maintain up-to-date integration architecture diagrams and data flow documentation
- Collaborate with customers to troubleshoot integration issues and optimize performance

### **Data Pipeline & ETL Development (15%)**

- Build ETL (Extract, Transform, Load) processes for batch and real-time data synchronization
- Design data validation rules to ensure data quality and consistency
- Implement data enrichment workflows (combining data from multiple sources)
- Create data reconciliation processes to identify and resolve sync issues
- Optimize database queries and indexing for integration performance
- Handle file-based integrations (CSV, Excel, XML, JSON imports/exports)
- Develop data anonymization and privacy-preserving transformation logic

### **Monitoring, Testing & Reliability (10%)**

- Implement comprehensive logging and monitoring for all integrations
- Create automated tests for integration endpoints and data transformation logic



- Build health check dashboards showing integration status across all customers
- Set up alerting for integration failures, data quality issues, and performance degradation
- Perform load testing and capacity planning for integration infrastructure
- Establish SLAs for integration uptime and data latency
- Conduct post-mortem analysis when integration issues occur

### **Customer Support & Enablement (5%)**

- Provide technical support to customers during integration onboarding
- Troubleshoot integration issues in collaboration with customer IT teams
- Create self-service integration guides and video tutorials
- Train customer technical staff on API usage and best practices
- Participate in customer calls to explain integration architecture and roadmap
- Gather feedback on integration pain points and feature requests

### **Required Skills & Qualifications:**

#### **API & Integration Expertise**

- 3+ years of hands-on experience building API integrations and data pipelines
- Deep understanding of RESTful API design principles and best practices
- Proficiency with API authentication methods (OAuth 2.0, API keys, JWT, SAML)
- Experience with API documentation standards (OpenAPI/Swagger, Postman collections)
- Strong knowledge of HTTP protocols, status codes, headers, and request/response patterns
- Experience working with rate limiting, pagination, and API versioning strategies
- Familiarity with GraphQL APIs (nice to have, but REST is primary)

#### **Data Integration & ETL**

- Proven experience building ETL pipelines for data synchronization
- Strong SQL skills and database design knowledge (PostgreSQL, MySQL, SQL Server)
- Experience with data transformation, validation, and quality assurance
- Understanding of data normalization, denormalization, and schema mapping
- Familiarity with message queues and event streaming (RabbitMQ, Kafka, Redis)
- Experience with batch processing and scheduled job orchestration
- Knowledge of data privacy and security best practices (especially healthcare/HIPAA)

#### **Programming & Development**

- Strong proficiency in Python (primary language for our integrations)



- Experience with integration frameworks and libraries (requests, httpx, FastAPI, Flask)
- Familiarity with async/await patterns for concurrent API calls
- Experience with JSON and XML parsing, manipulation, and validation
- Understanding of error handling, logging, and debugging techniques
- Comfortable working with command-line tools and shell scripting
- Version control proficiency (Git workflows, branching, pull requests)

### **Cloud & DevOps**

- Experience deploying integrations on cloud platforms (GCP, AWS, or Azure)
- Understanding of containerization (Docker) and orchestration basics
- Familiarity with CI/CD pipelines for automated deployment
- Experience with API gateway and proxy configurations (Nginx, Kong, or similar)
- Knowledge of secrets management and secure credential storage
- Understanding of networking basics (DNS, firewalls, VPNs, IP whitelisting)

### **Technical Communication**

- Ability to write clear, comprehensive technical documentation
- Experience creating API documentation and integration guides
- Strong troubleshooting and diagnostic skills across distributed systems
- Comfortable communicating technical concepts to non-technical stakeholders
- Experience working directly with customer IT teams and third-party vendors
- Proficiency in diagramming tools (draw.io, Lucidchart, Mermaid)

### **General Requirements**

- Bachelor's degree in Computer Science, Information Systems, or equivalent practical experience
- 3-6 years of professional software development or integration engineering experience
- Experience in healthcare, SaaS, or B2B enterprise software environments (preferred)
- Self-directed with strong project management and prioritization skills
- Comfortable working in a fast-paced startup environment with evolving requirements
- Excellent written and verbal communication skills for remote collaboration
- Ability to work with some overlap with US business hours (for customer calls)

### **Preferred Qualifications (Nice to Have):**

#### **Domain & Industry Knowledge**

- Experience with healthcare IT systems and HIPAA compliance requirements



- Familiarity with donor management systems, blood banking software, or healthcare CRMs
- Understanding of plasma donation workflows and operational processes
- Experience integrating with legacy enterprise systems (AS/400, mainframes, SOAP APIs)
- Knowledge of HL7, FHIR, or other healthcare interoperability standards
- Background in life sciences, biotech, or pharmaceutical industry

### **Advanced Technical Skills**

- Experience with middleware platforms (MuleSoft, Dell Boomi, Zapier, Workato)
- Proficiency in additional programming languages (JavaScript/Node.js, Java, C#)
- Experience with API testing frameworks (pytest, Postman automation, JMeter)
- Knowledge of data warehousing and business intelligence tools
- Familiarity with Apache Airflow or similar workflow orchestration tools
- Experience with reverse engineering APIs (analyzing network traffic, inspecting undocumented endpoints)
- Understanding of database replication, CDC (Change Data Capture), and streaming architectures

### **Security & Compliance**

- Experience implementing OAuth flows and SSO integrations
- Knowledge of API security best practices (OWASP API Security Top 10)
- Understanding of data encryption (at rest and in transit)
- Familiarity with SOC 2, GDPR, or other compliance frameworks
- Experience with penetration testing or security auditing of APIs
- Knowledge of API rate limiting and DDoS protection strategies

### **Integration Patterns & Architecture**

- Experience with microservices architecture and service mesh patterns
- Understanding of event-driven architectures and pub/sub messaging
- Familiarity with API gateway design and traffic management
- Knowledge of distributed tracing and observability (Jaeger, Zipkin, OpenTelemetry)
- Experience with feature flags and gradual rollout strategies
- Understanding of idempotency and exactly-once delivery patterns

### **Customer-Facing Skills**

- Experience in solutions engineering, technical sales, or customer success roles
- Ability to conduct technical discovery workshops with enterprise customers
- Skilled at translating business requirements into technical specifications
- Experience creating customer-facing technical demos and presentations
- Comfortable with technical pre-sales activities and proof-of-concept implementations
- Track record of building strong relationships with customer IT/engineering teams



### **Tools & Platforms Experience**

- Postman, Insomnia, or similar API testing tools
- Monitoring and observability platforms (Datadog, New Relic, Grafana)
- Error tracking and logging services (Sentry, Loggly, Splunk)
- iPaaS platforms (Zapier, Make, Tray.io)
- Database migration tools (Alembic, Flyway, Liquibase)
- API mocking and simulation tools
- Load testing and performance tools (Locust, k6, Artillery)

### **Soft Skills & Attributes**

- Entrepreneurial mindset with ability to wear multiple hats
- Strong ownership mentality and bias toward action
- Comfortable with ambiguity and changing priorities
- Proactive about identifying and solving problems before they escalate
- Curious and eager to learn new technologies and systems
- Collaborative team player who helps others succeed
- Detail-oriented with strong quality assurance instincts

### **Compensation & Benefits:**

This is a contractor position and therefore not eligible for company benefits, which are for our full and part-time employees only.

Full compensation for this role is in the form of a single, market-driven hourly rate, depending on experience and location. We're transparent about compensation and will discuss specific rates during the interview process.

### **What Makes This Role Unique**

**High Customer Impact:** Your integrations are the "moment of truth" where customers see CentroidAI's value in their daily workflows.

**Technical Variety:** No two integrations are the same. You'll work with modern REST APIs, legacy SOAP services, file-based transfers, direct database connections, and custom protocols. Every integration is a new puzzle.

**Strategic Influence:** You'll shape our integration strategy and roadmap. Your insights on what's possible (and what's painful) will directly inform product decisions and go-to-market strategy.



**Growth Opportunity:** As CentroidAI scales, you could build and lead an integrations team, evolve into a solutions architect role, or specialize in a particular vertical.

**Equal Employment Opportunity:**

CentroidAI LLC is an equal opportunity/affirmative action employer that evaluates qualified applicants without regard to age, ancestry, color, religious creed, disability, marital status, medical condition, genetic information, military or veteran status, national origin, race, sex, gender, gender identity, gender expression and sexual orientation or any other protected factor. We consider qualified applicants consistent with legal requirements.

**How to apply:**

Please email your latest resume, along with a cover letter explaining how you can make a difference at CentroidAI, to [careers@centroid-ai.com](mailto:careers@centroid-ai.com).

Please include your email, job requisition id, expected hourly rate and your likely start date.