



Senior Software Engineer Location: Malvern, PA (On-Site)

Rajant Health Incorporated (RHI) is building a healthcare assurance ecosystem to enable proactive and personalized health. We provide personalized health insights that improve diagnostics, therapeutics, communication, and the overall patient experience.

Our monitoring solutions, data integration, and advanced analytics transform raw data into actionable insights for clinical, biomedical, and research applications. Our portfolio includes **Cowbell®**, **Q-Stat®**, and **Trovomics®**—innovative technologies supporting large animal monitoring, remote health management, biomarker identification, and next-generation health discovery.

Based in Malvern, Pennsylvania, RHI develops intelligent healthcare technologies that make complex health data understandable and actionable for researchers, healthcare providers, and individuals. Backed by our parent company, **Rajant Corporation**, with more than 25 years of innovation in intelligent edge networking and mission-critical connectivity, RHI is advancing the future of connected healthcare through AI, edge computing, and real-time health intelligence. For more information, visit **RajantHealth.com** or follow Rajant Health on LinkedIn and YouTube.

POSITION OVERVIEW: Rajant Health Incorporated is looking for a hands-on **Senior Software Engineer** to design, build, and scale modern distributed systems. You'll own services end-to-end, influence architecture, and help raise the engineering bar in a fast-moving environment. Experience with robotics software development using **ROS 2** is highly valued and will be an advantage in this role.

KEY RESPONSIBILITIES:

System Design & Architecture

- Design and evolve scalable, fault-tolerant microservices and APIs
- Make pragmatic trade-offs around consistency, latency, and cost
- Contribute to architecture decisions and long-term technical strategy

Backend & Distributed Systems

- Build and operate backend services using modern languages
- Design event-driven and asynchronous systems where appropriate
- Model and manage data across services and storage systems

Reliability & Performance

- Improve system performance through profiling, benchmarking, and tuning
- Build observable systems with metrics, logs, and tracing
- Participate in incident response, root cause analysis, and prevention

Delivery & Ownership

- Own services end-to-end (design → implementation → deployment → operation)
- Contribute to CI/CD pipelines and improve developer workflows
- Collaborate closely with cross-functional partners to ship features

Engineering Excellence

- Write high-quality, well-tested, maintainable code
- Conduct thoughtful code reviews and drive best practices
- Mentor engineers and contribute to a strong engineering culture

REQUIRED QUALIFICATIONS:

Experience

- 4+ years of software engineering experience
- Experience owning production systems or major features end-to-end

Programming

- Strong proficiency in Python with experience building and operating production applications.
- Experience with ROS 2 is a significant advantage.
- Experience with Go is highly preferred.
- Additional experience with JavaScript/TypeScript or other programming languages is a plus.
- Ability and willingness to learn and work effectively across multiple languages as needed.

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APIs & Services

- Experience designing and building APIs (REST and/or gRPC)
- Understanding of service boundaries and API versioning

Distributed Systems Fundamentals

- Strong grasp of concepts like concurrency, scaling, consistency, and fault tolerance
- Experience debugging production issues in distributed environments

Data & Storage

- Experience with relational and/or NoSQL databases
- Understanding of data modeling, indexing, and query performance

Cloud & Infrastructure

- Experience building and deploying applications in cloud environments (AWS, Azure or GCP)
- Familiarity with containers and orchestration (Docker, Kubernetes)

PREFERRED QUALIFICATIONS:

- Experience developing software using ROS 2.
- Familiarity with robotics software, distributed robotic systems.
- Experience with messaging and streaming systems (Kafka, RabbitMQ, MQTT, etc.).
- Familiarity with Infrastructure as Code (e.g., Terraform).
- Experience with edge computing or real-time systems.
- Exposure to security best practices (OAuth, JWT, secrets management, etc.).
- Experience improving developer experience through tooling, testing frameworks, and CI/CD.
- Experience working in Linux-based development environments.
- Experience with modern C++.

CANDIDATE PROFILE:

The ideal candidate is passionate about building scalable software and solving complex distributed systems challenges. You enjoy taking ownership of services from design through production, collaborating across teams, and continuously improving software quality, reliability, and developer experience. You're curious, adaptable, and excited to work across multiple technologies while building modern healthcare solutions that make a real-world impact.

WHY JOIN RAJANT HEALTH:

- Help build innovative healthcare technologies that improve diagnostics, therapeutics, and patient outcomes.
- Work with a collaborative team of engineers, scientists, and healthcare innovators solving complex technical challenges.
- Contribute to AI, edge computing, cloud, and connected health solutions that make a real-world impact.
- Grow your career in a fast-moving organization backed by Rajant Corporation's engineering expertise.
- Make a meaningful contribution to the future of personalized and connected healthcare.

READY TO BUILD WHAT'S NEXT?

If you're ready to help build healthcare technologies that improve lives and solve complex engineering challenges, we'd love to hear from you. **Apply Today.**

Employment Type: Regular, Full-Time.

Location: Malvern, PA. On-Site.

Apply: Please send cover letter and resume to jointheteam@rajant.com.

Rajant Corporation is an Equal Opportunity Employer and does not discriminate on the basis of race, color, religion, gender, national origin, age, physical or mental impairment, sexual orientation or any other category protected under federal, state or local law. Rajant is a USG Contractor and complies with all US laws, regulations and Executive Orders.