



The Philadelphia Inquirer

Rajant Corporation is a 2024 Top Workplace!
4 Years Running



Software Engineer-Java/Full Stack Malvern, PA | Full-Time | Onsite

RAJANT CORPORATION is the global leader and pioneer of patented Kinetic Mesh® networking, powering mission-critical connectivity for autonomous systems, industrial operations, defense, mining, manufacturing, energy, logistics, and other demanding environments worldwide.

For more than 25 years, Rajant has helped organizations connect people, machines, assets, and data through its Mesh-Over-Everything™ architecture and distributed edge computing platform.

Together with its subsidiary, Rajant Health Incorporated (RHI), Rajant is advancing Industrial AI, automation, mobility, and real-time operational intelligence—bringing resilient connectivity wherever people, machines, and data move.

POSITION OVERVIEW:

Rajant is seeking a **Software Engineer** to help develop backend services, APIs, data integrations, automated tests, and supporting user interface components. This role is primarily focused on **Java backend development, API integration, SQL-backed services, and automated testing**. Depending on the project, the work may also include Quarkus, OpenAPI, Protocol Buffers, Docker Compose, observability tools, TypeScript, React, and AI-assisted development tools.

This is a strong fit for an ambitious **software engineer with solid Java experience who wants to grow across a modern full-stack service application environment**. You don't need expertise in every technology listed. We're looking for someone who can write good code, learn quickly, ask good questions, validate assumptions, and steadily expand their technical range.

Our team is small and collaborative, which creates opportunities to learn directly from peers and contribute across multiple parts of the system. The ideal candidate is comfortable starting with **strong Java/backend skills and growing into broader responsibilities** across APIs, databases, testing, observability, frontend components, and AI-assisted development workflows.

RESPONSIBILITIES:

- Develop, test, debug, and maintain Java-based backend services.
- Build and integrate APIs using REST and related API contract technologies.
- Work with SQL databases, data models, and database migration patterns.
- Contribute to frontend components using TypeScript, React, HTML, and CSS as needed.
- Create and maintain automated tests for backend and frontend components.
- Use containerized local development workflows to build, run, and validate software.
- Collaborate with engineers using observability tools, API contracts, data flows, & integration patterns to troubleshoot system behavior.
- Use AI-assisted development tools responsibly while validating generated code, documentation, testing, & refactoring.
- Participate in code reviews, debugging, testing, and release preparation.

CANDIDATE PROFILE:

A successful candidate will be a practical Java engineer who can contribute to backend services, API integrations, SQL-backed applications, and supporting frontend components. We value engineers who can deliver working software, ask good questions, validate assumptions, and use modern tools responsibly. This role does not require deep expertise in every listed technology. Strong Java backend skills, good engineering judgment, and the ability to grow into the broader stack are more important than having already mastered every tool.

REQUIRED QUALIFICATIONS:

- Approximately 5+ years of professional software development experience.
- Strong Java development experience.
- Experience with Java build tooling such as Maven.
- Experience developing backend services or service-oriented applications.
- Practical understanding of API design and service integration.
- Experience with SQL and relational database-backed applications.
- Experience writing automated tests for backend components.
- Comfortable working in Linux-based or containerized development environments.
- Ability to understand and improve existing codebases.
- Strong debugging, troubleshooting, and communication skills.

200 Chesterfield Parkway • Malvern, PA 19355 • tel (484) 595-0233 • fax (484) 595-0244

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PREFERRED QUALIFICATIONS: Experience with any of the following is helpful:

- Java 21 • Quarkus or similar Java service frameworks.
- REST and gRPC service development • OpenAPI and Protocol Buffers.
- Liquibase or similar database migration tooling • Docker Compose or similar containerized local development tools.
- Prometheus, Grafana, or similar observability platforms • TypeScript and React.
- HTML and CSS • Frontend automated testing with Jest or Playwright.
- Backend testing with JUnit and Mockito • AI-assisted development tools such as OpenAI Codex, ChatGPT, GitHub Copilot, or similar developer tools.

AI-ASSISTED DEVELOPMENT EXPECTATIONS:

Candidates should be comfortable using AI-assisted development tools as productivity aids while retaining engineering ownership of the result. This includes validating generated code, checking assumptions, reviewing maintainability implications, writing or updating tests, and ensuring generated documentation accurately reflects the implemented behavior. AI tools may be used to accelerate development, but the engineer remains responsible for correctness, readability, security, and long-term maintainability.

WHY JOIN RAJANT?

- Build industry-leading Kinetic Mesh® technology deployed worldwide.
- Solve complex engineering challenges with a collaborative team.
- Develop technology powering autonomous and mission-critical operations.
- Make a direct impact across defense, mining, manufacturing, logistics, energy, healthcare, and other critical industries.
- Grow your career while working with cutting-edge AI and intelligent edge technologies.

RAJANT'S COMPANY PROFILE: www.rajant.com

Our patented InstaMesh Kinetic Mesh technology powers mission-critical operations around the world:

- Autonomous mining equipment across global sites.
- Robotics in factories and warehouses automating repetitive and dangerous tasks.
- Boston Dynamics' Spot® the Robot Dog and various aerial drones.
- Oil and Gas connectivity and Maritime Port automation worldwide.
- Mission-critical communication systems trusted by the U.S. Army to keep America and our Global partners safe.

READY TO BUILD WHAT'S NEXT?

Build technology that makes a real-world impact. Apply Today.

Reports to: Senior VP Technology Development. **Employment Type:** Full-Time - Regular. **Location:** Malvern, PA. Onsite.

Apply: Introduce yourself w/ cover letter & 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.

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