



<https://excelnearshore.com/job/devops-platform-engineer-poc-implementation/>

DevOps Platform Engineer / PoC Implementation

Description

Excel Nearshore is seeking a **DevOps Platform Engineer** who can set up CI/CD tools, build pipelines, wire up event transport, and write the NodeJS services that make the client communicate through a common protocol. This is implementation work on well-defined architecture. You will receive clear specifications, architectural diagrams, and direct access to the technical decision-maker. In this role, the client will teach the candidate the event specification and orchestration mode to understand their domain and the candidate must bring the ability to stand up CI/CD infrastructure, write clean NodeJS, work with YAML and JSON schemas, and move quickly with minimal supervision once the task is understood.

This organization is a U.S.-based technology startup in the software delivery and DevOps tooling space, building a universal orchestration layer designed to enable interoperability across CI/CD ecosystems without replacing existing tools. As part of this effort, the engineer will contribute to the development of a proof of concept that demonstrates event normalization and workflow orchestration across diverse tool environments, supporting preparation for a public industry showcase.

Responsibilities

- **CI/CD Tool Infrastructure:**
 - Install and configure multiple CI/CD tools in isolated environments (Jenkins, Tekton, GitHub Actions, ArgoCD, GoCD, and/or others as directed)
 - Create working pipelines in each tool that build, test, and deploy sample applications
 - Configure webhook stages in pipelines to emit events at key lifecycle points (build started, build finished, test started, test finished, deployment started, deployment finished).
- **Event Transport Layer:**
 - Set up RabbitMQ as the message broker for event transport between tools and the orchestration engine
 - Configure exchanges, queues, and routing keys for different event types
 - Implement producers (in pipeline webhook stages) and consumers (in the orchestration service).
- **Event Normalization Service:**
 - Build a NodeJS service that receives raw webhook payloads from CI/CD tools.
 - Transform tool-specific event formats into a standardized JSON structure (schema provided).
 - Validate normalized events against JSON Schema definitions.
 - Publish normalized events to RabbitMQ for downstream processing.
- **Orchestration Engine (PoC Scope):**
 - Build a NodeJS service that consumes normalized events from RabbitMQ.
 - Implement event correlation logic using chain IDs to track related events across tools.

Hiring organization

Excel Nearshore

Employment Type

Temporary

Beginning of employment

ASAP

Duration of employment

3-4 months

Industry

Technology

Job Location

Costa Rica

Remote work from: Costa Rica

Date posted

February 17, 2026

- Parse YAML workflow definitions that specify segment ordering and tool assignments.
- Trigger downstream actions (mock or real) based on workflow rules and incoming events.
- Detect and query for missing events in a workflow chain.
- **Sample Applications & Pipelines:**
 - Create 2–3 sample applications (simple web services) that serve as build/test/deploy targets
 - Wire end-to-end: code commit → build → test → deploy across at least two different CI/CD tools in a single workflow.

Qualifications

- **NodeJS (3+ years):** You will write services, API endpoints, event consumers/ producers, and schema validation logic in Node. TypeScript is acceptable.
- **CI/CD Tool Administration:** Hands-on experience installing, configuring, and building pipelines in at least two of: Jenkins, Tekton, GitHub Actions, GitLab CI/CD, ArgoCD, GoCD, Spinnaker.
- **Message Brokers:** Working experience with RabbitMQ, Kafka, or NATS. You must be able to set up exchanges/topics, configure routing, and write producer/ consumer code.
- **YAML & JSON:** Deep comfort with YAML configuration files and JSON Schema validation. You will parse, generate, and validate both formats extensively.
- **Docker & Containers:** All CI/CD tools and services will run in containers. You must be fluent with Docker Compose for local development and comfortable with container networking.
- **Linux Systems:** Comfortable working in Linux environments, shell scripting, process management, and debugging service interactions.
- **Git & GitHub:** Standard workflows, branching, PRs. Code review is part of the process.
- **SQL / MySQL:** Comfortable writing queries, working with JSON columns in MySQL, and designing straightforward schemas. The PoC uses MySQL with JSON storage for event and workflow data.

Nice to have:

- Experience with Temporal.io or similar workflow orchestration engines.
- Familiarity with CloudEvents or event-driven architecture patterns.
- Redis for caching and state management.
- Webhook integration development.
- Experience building developer tools or platform engineering infrastructure.

Contacts

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