

# Jared Barranco

Lead Software Engineer

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Software Engineer with a decade of experience in solving complex system and process integration challenges.

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## Skills

Node.js/TypeScript, PostgreSQL, LLM Workflows/Tooling, Bash/zsh, Python, Kafka, Docker/OCI, Redis, Git/Github, AWS Cloud (ECS, IAM, MSK and RDS), Container Orchestration (Managed Kubernetes), NeoVim/Vim

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## Experience

Radiant Global Logistics

Jan. 2021 – Present

- Lead a department wide, multi-phase project to build REST API interfaces for Radiant's ERP system (SAP TM) which addressed performance shortcomings and fed an Enterprise Service Bus.
  - Delivered a TypeScript SDK, hosted on Github NPM Registry for teams to quickly support new features.
  - Deployed via CI/CD on AWS ECS/Fargate containers with per task configuration for fine-tuning resources in response to demand.
  - Built a multi-layered, performance-conscious, and versioned PostgreSQL read cache to mitigate ERP latency, improving read performance by 15x.
- Reverse engineered a proprietary software's code files to build an LSP-like Model Context Protocol (MCP) tool in Python for automated code validation.
  - Designed intelligent prompt composition that dynamically limits model input context.
  - Reduced time-to-deployment by 80% for equivalent development tasks through human-in-the-loop agentic workflows
- Designed and developed an Apache Kafka-based streaming service bus which handles task scheduling, data ingestion, schema transformation, event aggregation, and near-real time event delivery to integration partners including data warehousing.
  - Handles between 4 and 6 million unique monthly invocations, fluctuating with operational volume.
- Establish Radiant's Public API offering leveraging AWS API Gateway/Lambda.
  - Engineered the implementation of a novel auth-n/auth-z scheme with fine grained ACL and future support for "qualified-RBAC".
  - Populated a robust API Documentation portal with OpenAPI compliant specifications.
- Lead and mentor the Radiant Connect Integrations team with 5 direct reports.
  - Act as Project Manager and Engineering Manager - conducting one-on-ones, Sprint Retro/Planning, Code Review, and HR related coordination.
  - Set and review SMART goals to support the team's career growth in alignment with objectives

## PREVIOUS EXPERIENCE

### Radiant Global Logistics

- Technical Product Manager – Portals Jan. 2020 – Jan. 2021
- EDI Solutions Specialist Jun. 2019 – Jan. 2020

### Expeditors International

- EDI Developer I - III Jan. 2015 – Jun. 2019
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## PROJECTS

### Personal Home Lab

Jun. 2022 – Present

- Designed and provisioned a “homelab” to explore distributed systems and networking concepts:
  - TrueNAS SCALE storage server running Kubernetes services via Helm Charts.
  - Three mini PCs configured as a Proxmox cluster to run K3s
  - A custom router/firewall appliance running OpenSense with Cloudflare + Tailscale tunnels
  - Linux virtualization host running personal desktop and non-production services (Git Server, Github Actions Worker, etc.)