

Jared Barranco

Lead Software Engineer

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

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

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 to 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
- EDI Solutions Specialist

Jan. 2020 – Jan. 2021

Jun. 2019 – Jan. 2020

Expeditors International

- EDI Developer I - III

Jan. 2015 – Jun. 2019

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 OpnSense with Cloudflare + Tailscale tunnels
 - Linux virtualization host running personal desktop and non-production services (Git Server, Github Actions Worker, etc.)