

Justin Gill

SOFTWARE ENGINEER

Seattle, WA

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Experience

Software Engineer, Infrastructure

Bellevue, WA

PAY-I

Feb 2025 — Present

Stack: Kubernetes, Helm, AWS, Azure, Terraform, Bicep, CloudFormation, Docker, C#, Dotnet

- Architected and executed end-to-end migration of Azure App Services to multi-cloud Kubernetes architecture (AKS and EKS), utilizing Terraform, Helm, and Flux, enabling Bring Your Own Cloud (BYOC) enterprise customer deployments.
- Engineered and supported single-tenancy deployments via Azure Managed Applications and Terraform-provisioned AWS environments, leveraging cross-account IAM policies to manage infrastructure and application lifecycles across isolated client accounts.
- Implemented application-wide OpenTelemetry instrumentation (traces, metrics, logs) to meet enterprise compliance. Built out the core monitoring and security infrastructure, creating Grafana dashboards, alerting rules, and cluster RBAC policies.
- Managed the deployment and scaling infrastructure for a high-throughput CDC pipeline (PostgreSQL, ClickHouse, PeerDB, Temporal), reducing compute costs by aggressively right-sizing Kubernetes nodes across our entire stack.

Software Engineer

Seattle, WA

AMBASSADOR SOFTWARE

June 2021 — Feb 2025

Stack: Python, Django, PostgreSQL, Redis, Celery, Docker, AWS, GCP, JavaScript, React, BigQuery

- Built the core execution engine for a no-code workflow product (Python/Celery), dynamically parsing JSON API payloads into boolean logic trees to evaluate customer-configured data rules
- Increased system uptime from 95% to 99.95% and reduced average response latency by 60% through aggressive database query optimization, asynchronous job refactoring, and query caching.
- Migrated the public-facing API from Node.js to Django, writing an extensive suite of unit tests to guarantee functional parity and ensure a zero-regression rollout.
- Built an automated analytics data warehouse utilizing AWS RDS, S3, BigQuery, and Google Apps Script to power large-scale customer data exports and accelerate internal business insights.

Data Science Intern

Seattle, WA (Remote)

CONTEXTLINK

September 2020 — May 2021

Stack: Python, Pulumi, AWS, Pandas, NumPy, scikit-learn

- Built an automated data preprocessing workflow using AWS S3 and Lambda to trigger an ordinal encoder for categorical features, improving data consistency and training reliability.
- Developed Python utilities for data transformation and feature encoding (Pandas, NumPy, scikit-learn) while learning cloud integration patterns with Pulumi and AWS services.

Skills

Backend

Python, Django, PostgreSQL, Redis, Celery

DevOps & Tools

Docker, Kubernetes, Terraform, Azure DevOps, Bicep, CloudFormation, AWS, Azure, GCP, Linux

Education

Western Washington University

Bellingham, WA

B.S. COMPUTER SCIENCE, MAGNA CUM LAUDE

2018 — March 2022

GPA: 3.97