

Justin Gill

SOFTWARE ENGINEER

Seattle, WA

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Experience

DevOps Engineer

Bellevue, WA

PAY-I

Feb 2025 — Present

Stack: Terraform, Bicep, CloudFormation, Kubernetes, Helm, Docker, Azure DevOps, Azure, AWS, Linux

- Migrated .NET 9 and Python applications from Windows App Service zip builds to Kubernetes (AKS/EKS), refactoring deployment architecture and enabling consistent container runtime.
- Implemented Terraform for SaaS and customer environments; engineered CloudFormation and Bicep integrations for AWS and Azure Marketplace, navigating vendor-specific deployment constraints and marketplace approval processes.
- Designed tenant-isolated infrastructure with dedicated VPCs/VNets, private endpoints, and IAM controls; implemented hub-and-spoke network topology with VPN support and compliance policies.
- Automated infrastructure validation across CloudFormation and Bicep templates; configured Application Insights and CloudWatch for multi-cloud observability

Software Engineer

Seattle, WA

AMBASSADOR SOFTWARE

Jun 2021 — Feb 2025

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

- Architected and launched a JSON-driven workflow engine (Python/Django/PostgreSQL/Redis/Celery) enabling customers to define custom triggers/actions; expanded the platform from referral-only to a loyalty solution, creating new revenue streams.
- Improved reliability and performance: increased uptime from 95% → 99.95% and reduced average response latency by 60% through query optimization, asynchronous job refactoring, and strategic query caching.
- Developed a reporting and analytics warehouse with AWS RDS, S3, BigQuery, and Google Apps Script, powering customer data exports and accelerating internal insights.
- Integrated external services (Hyperwallet, GoodData), enhancing customer reporting, payments, and analytics workflows.
- Redesigned critical APIs around import, exports, and tracking; led the migration of a production service from Node.js to Django for consistency and performance.

Data Science Intern

Seattle, WA (Remote)

CONTEXTLINK

Nov 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