KEVIN SNYDER

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☎ (415) 577-1808
📍 San Francisco, CA
in KevinSnyderWorks
○ KevinSnyderCodes

- Full-stack engineer with 10 years of experience, with a strong focus in DevOps and cloud native technologies
- Proven ability to deliver business results using multiple tools and technologies for organizations with 100+ engineers
- Autonomous and self-driven, eager to take ownership and tackle new challenges

Skills

PROGRAMMING LANGUAGES

Go
JavaScript
TypeScript
Python
Bash

TECHNOLOGIES

AWS
Google Cloud (GCP)
Kubernetes
Docker
Terraform
Prometheus
Grafana
Jsonnet
gRPC
Vault
Airflow
Argo CD
GitHub
GitLab
Bitbucket
React

SKILLS

Domain Specific Languages (DSL)
Templating
GitOps
API Design
CLI Design
Cloud Networking
Cloud Infrastructure

Employment

Raft
Senior DevSecOps Engineer

San Francisco, CA
Oct. 2023 to Dec. 2024

- Designed, implemented, and maintained secure networks for use by United States Air Force for matters of national security

Humans Anonymous
Lead Backend Engineer

San Francisco, CA
Sept. 2022 to May 2023

- Oversaw the launch of the Humans Anonymous app, reaching #1 in the App Store "Health & Fitness" category, with over a thousand active users on day one and tens of thousands of sign-ups in the first week
- Used AWS Amplify to deploy and maintain DynamoDB models, GraphQL API, and AWS Lambda functions
- Ported all existing Lambda functions from JavaScript to TypeScript
- Created TypeScript libraries and frameworks to facilitate GraphQL API calls and improve Lambda error handling and reporting
- Wrote a load testing framework to simulate thousands of users, ensuring that the app and backend were functioning and performant
- Implemented push notifications to increase user engagement, including meeting reminders and achievements
- Designed and implemented a CMS to manage meetings and their schedules
- Introduced moderation features that allowed users to submit reports and moderators to take action in real time (mute, kick, ban)
- Early work on automated moderation, including speech-to-text and automatic flagging of abusive content

Fetch Rewards
DevOps Engineer

San Francisco, CA
Nov. 2021 to Sept. 2022

- Created and maintained Kubernetes clusters using Amazon EKS and Terraform
- Managed service infrastructure and monitoring using AWS Load Balancer Controller, Prometheus, Loki, and Grafana
- Implemented GitOps patterns using Argo CD, Helm charts, and Bitbucket pipelines
- Designed and implemented custom Bitbucket pipes to easily deploy services to Kubernetes, including building and pushing Docker images to Amazon ECR, and updating Kubernetes manifests in git repositories
- Built a standard Grafana dashboard that visualized key metrics for each service, including logs, resource usage (CPU and memory), response latency (average, p95, p99), and number of response status codes (2xx, 4xx, 5xx)
- Ensured sufficient metadata was included in Kubernetes resources using Open Policy Agent and Gatekeeper
- Early work on tooling for configuration management, secrets injection, and autoscaling based on any metric visualized in Grafana

Shipt
Engineering Manager

San Francisco, CA
Apr. 2021 to Sept. 2021

- Lead a team of 5 engineers focused on cloud infrastructure, networking, and Kubernetes
- Conducted weekly 1:1s and team standups to discuss projects, track progress, and have conversations about work and technology
- Brainstormed, prioritized, and determined effort of quarterly goals through 1:1s and forced rank voting with the team
- Met with other leads to determine scope and priority of one-off requests

Senior DevOps Engineer

Feb. 2020 to Apr. 2021

- Deployed and configured Airflow with a custom Kubernetes operator, enabling data scientists to schedule jobs with a variety of resource requirements (high CPU, high memory, GPU hardware)
- Designed and built a multi-region and multi-environment folder, project, and network architecture in Google Cloud (GCP) using Terraform that includes VPC peering, NAT gateways, firewall rules, and communication with Google managed services (GKE, Cloud SQL, Memorystore)
- Established a fault tolerant and highly available private VPN connection between AWS and GCP to facilitate cross-cloud communication during the migration from AWS to GCP
- Built a network testing suite that monitors and visualizes connectivity and latency across clouds, regions, and availability zones

DevOps Engineer

June 2018 to Feb. 2020

- Designed and implemented a domain-specific language (DSL) that enables engineers to seamlessly deploy their services to Kubernetes and provision infrastructure with one file using a GitOps workflow
- Created an internal Kubernetes dashboard using Go, TypeScript, and React that provides key visibility into services in real time and allows engineers to restart, scale, and get a shell into live containers
- Leveraged Go templates to facilitate automated creation of CD pipelines and Terraform files from our DSL
- Created an audit trail to log changes happening in our cloud environment, helping us diagnose the root cause of incidents and achieve security compliance
- Continued to create APIs using REST and gRPC and improved tooling for our engineers

P.I.N.G. Inc.
Software Engineer

San Francisco, CA
Oct. 2017 to Feb. 2018

- Designed and implemented collection of phone call records from Cisco VoIP phone systems, associating these records with relevant lawyers and their clients
- Ported existing JavaScript code bases to TypeScript
- Refactored Node.js API to automatically generate routes and request validation from an API definition
- Wrote unit tests for new and existing code, and updated tests to address breaking changes and bug fixes
- Proposed long-term solutions to NoSQL database model changes and API versioning

Headset, Inc.
Software Developer

Seattle, WA
Nov. 2016 to Apr. 2017

- Added support for MJ Freeway point-of-sale (POS) system using web scraping jobs in C#, expanding potential customer base by 25%
- Wrote integration tests to validate the collection of data from MJ Freeway point-of-sale system
- Improved discovery on analytics platform by adding search suggestions, flattening brand, product, and category information from a SQL database

Seattle University
Web Developer

Seattle, WA
Aug. 2014 to Nov. 2016

- Owned the design and implementation of the university's interactive campus map using Google Maps and jQuery
- Assisted CMS migration from Ektron to TerminalFour, successfully migrating 99% of the website's content automatically
- Implemented key front facing components of the website post-migration: site navigation, breadcrumbs, search
- Simplified the creation of website content by designing robust content types and WYSIWIG editor plugins for content creators

Education

Seattle University
B.A. Computer Science 2017
B.A. Communication Studies 2017