

Kristoff Finley

Software Engineer

Career Goals

game development

- create and maintain digital and physical card game

operate small local business

- manage and operate a coffee, bagel, and boardgame house with brothers

Contacts



<https://twoshotslater.com>



kristoffgearhartfinley@gmail.com



+1 406 922 7172



<https://github.com/Gearhartlove>

Skills

Scala : everyday development @ Quiq

Kotlin : backend for personal website

Rust : video games + hobby projects

Redis : caching + credential storage

MySQL : managed user + system data

Clickhouse : event data management

Dropwizard : main framework @ Quiq

Python : created scripts for devs

Git : manage repos + commit to services

Grafana : analyze + monitor system data

Jenkins : utilize CI to automate builds

IntelliJ : primary IDE

Clojure : self hosted server + htmx apps

Traits

contagious Enthusiasm

get **** done mindset

presenter

tenacious

collaborative

curious

dreamer

critical

Backend Software Engineer

Employment

Quiq, Jan 2023 – Present (1.5+ year)

Distributed Systems

- contributed to 20+ **Scala** microservices using **git cli** & **Gitlab**
- migrated **mysql** & **Clickhouse** Databases across 6 production clusters
- rolled-out changes to multiple **AWS** and **Azure** clusters simultaneously
- monitored and responded to production error logs in **Slack**
- rolled-back and fixed faulty production code
- utilized **Swagger** to send requests across clusters

Analytics

- wrote **mysql** & **Clickhouse** queries
- built foundational **CRUD APIs** to power internal data frame analytics
- utilized **Jupyter Notebooks** to query data

Integrations

- Shopify, Microsoft Dynamics, SAP, Salesforce– synced data with Quiq

Scripting + Team Enablement

- built internal tooling using **REST APIs**, **HTML**, and **CSS** to enable QA
- wrote **Python** & **Bash** scripts for migrations and developer tooling
- built custom **Grafana** dashboards

Product

- utilized **prompt engineering** to summarize user conversations
- rolled out MFA enforcement to every user
- built async fetch APIs to query data efficiently
- cached client secrets in **Redis** & **Consul**
- restricted & deleted customer data to comply with GDPR
- developed custom configurations for clients using **Configs**

Pixie

Personal Projects

<https://github.com/Gearhartlove/pixie>

- used **clap** to build intuitive cli
- ported **existing JS implementation** to a rust CLI
- integrated with **Lospec** to grab pixel pallets dynamically

The Fantastical Cookbook

https://github.com/Gearhartlove/bevy_jam_2

- used **Bevy** to create 2D puzzle game
- created dynamic dialogue system to render text on screen
- utilized builder pattern to create easy to develop game flow

Brushed

<https://github.com/Gearhartlove/Brushed>

- used **Unity** to create 3D puzzle game
- Designed game for anyone to pick up and play
- Create flexible level editor for fast prototyping

Education & Learning

Bachelor of Science in Computer Science

German Studies Minor

Montana State University

August 2019 – December 2023

3.70 GPA

Amazon Web Service Cloud Practitioner Certificate

Amazon Web Services (AWS), 2021