KYLAN BYRD

PHONE: (206)319-8255
LOCATION: Pacific Northwest
MAIL: kylan@hey.com
LINKEDIN: https://linkedin.com/in/avian-analyst
GITHUB: https://github.com/aviananalyst
WEBSITE: https://byrd.digital

Summary

Software engineer with 2+ years programming experience. Looking for a role developing APIs, web apps, and backend services.

Skills

LANGUAGES: Python, Kotlin, Javascript, Typescript

METHODOLOGY: Test Driven Development (TDD), Agile, Extreme Programming (XP), Pair Programming

BACKEND: Django, Flask, Spring Boot, FastAPI

FRONTEND: HTML, Svelte, Bootstrap, React, Vue

TEST FRAMEWORKS: Pytest, Selenium, FluentJ Assertions

DATABASE/ORM: SQL, SQLite3, PostgreSQL, Django ORM, SQLAlchemy, GraphQL, jOOQ

Employment

Focused Labs, Remote –
Software Developer – September 2021 - November 2021

- Worked on a small team to develop and maintain a **React.js/Kotlin** webapp
- Added custom encryption service for an extra layer of protection on PII
- Developed code using **XP** practices (**TDD, Pair programming, weekly client demos**)

First Information Technology Services, Bellevue, WA –
Information Security Analyst – January 2020 - September 2021

- Created an automated process with the **python-docx** library to generate and maintain the System Security Plan. Reducing errors and time spent on quality assurance, allowing for concurrent development through **Git** version control.
- Maintained, refactored, and added functionality to a **Django** web application that ingests system security information and transforms data for various business purposes.
- Wrote a technical document for client auditors on the vulnerability management process implemented by Office 365 to increase auditing capability.
- Collaborated on regular responsibilities associated with the audit life cycle on a 10 person team.

Jewelry Television, Knoxville, TN
Customer Care Sales Agent – June 2017 - March 2018
Customer Service Chat Agent – March 2018 - July 2019

PROJECTS

Khonsu Calendar – October 2020 to PRESENT
https://khonsu.byrd.digital

Uses **Python**'s **FastAPI** and **Svelte** to create a reactive calendar web app which integrates lunar phases into the solar calendars. This enables anyone to specify recurring events based on a lunar definition, and still track them on a solar calendar.

Kwat Online – November 2021 to PRESENT
https://github.com/AvianAnalyst/kwat

An implementation of Kwat that can be played online with friends. Uses **Kotlin** and **Spring Boot** to provide the back end service. Will use **React** with **TypeScript** on the frontend. In development.

List App – May 2019 to November 2019
https://superlists.byrd.digital

I used **Django** and **SQL** to create a web app to save and serve user created lists. I used **Selenium** for the web driver to create a **TDD** based flow for the behavior of the app. I wrote tests to confirm list items can be added, creating new lists, added to existing lists, and existing lists can be pulled back up. I hosted this on **Digital Ocean**, and the app uses **Nginx** and **Gunicorn** for the web and application servers. I got the opportunity to rewrite deployment automation tools with the newest version of **Fabric** to work around issues with deprecated features.

Cypher Deck – February 2019
https://github.com/AvianAnalyst/cypherdeck

I created a desktop application to produce items that will be used in the Cypher RPG system. This tool will allow a GM to spend less time on the tedious work of item management and allocation by automatically providing dynamic details such as a level and allowing for random allocation to players. I used **PyQT5** to create the interface, and **pickle** as the data storage.

Who Wants To Be A Billionaire – July 2019
https://github.com/AvianAnalyst/code-jam-5/tree/master/daily_dragons

For Python Discord's 5th Code Jam, I was chosen as team lead with the goal to build and ship a project from the ground up in a week. During this high pressure event, my team built a text based game using **Python** to explore potential effects of climate change. As team lead I was responsible for coordinating with team members, ensuring everyone knew what they were working on, and redundant work wasn't being done, and to keep track of the project direction and ensure completion within the time frame.