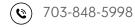
DYLAN BALLARD

SOFTWARE ENGINEER

PROFESSIONAL SUMMARY

Full-stack Software Engineer with a passion for building clean, responsive user interfaces and scalable backend systems. Experienced in developing modern web apps using React + TypeScript on the frontend and Python + FastAPI on the backend. Strong background in cloud infrastructure, large language models, and automation. Committed to writing reliable, efficient code from UI to deployment.

CONTACT











EDUCATION

George Mason University

Master of Computer Science

2024 - Present

James Madison University

Bachelor of Computer Science

2020 - 2024

SKILLS

- Full-stack development using React,
 TypeScript, Python, and FastAPI
- Experienced in building responsive UIs with advanced state management
- Proficient in RESTful API design, database integration, and SQL optimization
- Skilled in cloud infrastructure (AWS EC2, S3, RDS, SageMaker) and deployment
- Strong in performance optimization, API integration, and automation scripting
- Experienced with secure data transmission

WORK EXPERIENCE

Eigennet

Software Engineer 2024-Present

- Sole cleared developer managing secure AWS-based document transmission
- Built high-speed LLM extraction in SageMaker with 99% accuracy
- Automated metadata packaging, zip creation, and SFTP delivery using Python
- Led end-to-end EC2/S3 workflows and maintained batch tracking via internal APIs
- Developed scalable Python/Django scripts for validation and transmission pipelines

Freddie Mac

Software Engineering Intern 2023

- Designed & implemented a Java-based data-validation tool
- Detect anomalies and schema drift across large financial CSV datasets.
- Integrated automated alerts for version mismatches
- Boosting data-integrity checks and speeding up the Financial Engineering team's reconciliation process.

PROJECTS

Cinetik

React, Typescript, Fast API and Python 2025

- Built (<u>cinetik.vercel.app</u>) with React + TypeScript on the front end and FastAPI on the back end.
- Integrated TMDB data via TanStack Query + Zustand state management.
- Deployed a scalable PostgreSQL database layer
- Designed a responsive UI using Tailwind CSS

Chess Opening Guide

React and Typescript 2025

- Developed (<u>chess-opening-guide.vercel.app</u>) with React & TypeScript, integrating Chess.js and react-chessboard for interactive play.
- Managed global state via Zustand and added searchable openings, variations, sandbox board, and themed boards.
- Deployed the mobile-first build to Vercel using modern tooling for fast, production-grade performance.