


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

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 github.com/dballard10

 Reston, VA

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 (cinetik.vercel.app) 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 (chess-opening-guide.vercel.app) 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.