ZURI HUNTER

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EDUCATION

Bachelor of Computer Information Systems   *Howard University*, **May 2015**

PROFESSIONAL EXPERIENCE

National Football League, *Data Engineer/ Full-Stack Developer*   **Nov 2023 - Present**

- Deployed and maintained a Shiny-based Schedule Analysis application on AWS using ECS and Cognito (Integrated with Okta) ensuring secure, reliable, and scalable performance across development and production to support the NFL Broadcasting team's game scheduling decisions.
- Designed and implemented a CI/CD pipeline using AWS Code Commit, Code Build and Code Pipeline to automatically test, build and push Docker images to Elastic Container Registry.
- Built and containerized a Shiny application by executing build scripts and creating optimized Docker images for cloud deployment.
- Developed front-end features for the "Player Health and Safety" game day operations application in Next.js, supporting both Equipment and Athletic managers with operational insights.
- Served as a Site Reliability Engineer (SRE) across multiple internal applications, implementing logging capabilities with both Sentry and AWS CloudWatch for proactive error monitoring and performance tracking.
- Conducted data analysis on flag football rules across the nation to provide actionable insights and recommendations to the VP of Football Operation for potential league adoption.

Black Cape, *Senior Software Engineer*   **Aug 2019 - Nov 2024**

- Setup CI/CD pipelines to help enhance teams productivity and system reliability with tools such as Jenkins and GitLab CI.
- Mentored within the Career Advancement/Professional Excellence (CAPE) program, fostering talent growth and professional development.
- Converted a series of microservice APIs communication protocol from gRPC to REST.
- Created additional ETL pipelines for an application that processed millions of curated news, articles and documents using the python library celery.
- Updated logging capabilities in an ETL data loading tool that handled streaming data and analysis.
- Contributed to workflow optimization by integrating format, analysis and test steps into Makefile commands.
- Developed a Single Page Application with React/Typescript that was aimed at efficiently extracting, organizing, and presenting data in support of client HR processes.
- Engineered a Node.js API using the Hapi.js framework to help support an HR related application.
- Established groundwork for a FastAPI including the creation of integration and unit tests, integration with a PostgreSQL database for query execution and comprehensive documentation.
- Engaged in technical interview to actively contribute to the recruitment and selection of top-tier talent for the organization.

Mapbox, *Software Engineer*   **Feb 2018 - Jul 2019**

- Built "Atlas Boundaries" from the ground up, a core Mapbox feature providing administrative, postal and statistical boundary data for georeferenced tile sets, enabling fully offline map rendering, data joins and boundary-based analytics for customers across industries such has health and disaster recovery.
- Integrated Docker and Kubernetes to create a secure, reliable, and scalable container-based platform deployable to any cloud service.
- Engineered a serverless AWS Lambda ETL pipeline that ingested ML model outputs for computer-vision parking lot detection, applied custom image-processing logic to generate bounding boxes, stored processed imagery in Amazon S3, and automatically surfaced results in the internal mapping quality application.

Digital Globe, *Software Engineer*   **Nov 2016 - Feb 2018**

- Improved a legacy application usage of Elasticsearch by implementing the built in queries from the tool to correctly run efficient and accurate search executions.
- Established Jenkins and GitLab CI jobs to support continuous delivery in code integrity and quality.
- Implemented endpoints in microservices to maintain clients growing demands of the enterprise data analysis platform.

HumanGeo, *Software Engineer*   **Oct 2015 - Nov 2018**

- Implemented a series of scripts in Ruby to collect geographical and government data in Mid-East hemisphere.
- Transported microservices into Docker containers to improve developer and production experience.
- Developed and created CI/CD pipelines in GitLab CI for an assets repository to support branding in a series of mission-focused applications.

TECHNICAL SKILLS

Python	PostgreSQL	Terraform	AWS	Elasticsearch
JavaScript	MongoDB	Salt	Azure	Jenkins
Ruby	Firebase	Puppet	Kubernetes	R
Java	CouchbaseDB	Ansible	Docker	Shiny

CERTIFICATES

Amazon Web Services, *Certified Solutions Architect Associate*
Scrum Alliance, *Certified Scrum Master*

ADDITIONAL INFORMATION

- **Awards/Activities:** DCA Live Power Women Tech (2018), Director of Data Evaluation (Starting With Today)
- **Publications/Presentation**: Carnegie Mellon Sports Analytics Conference 2024-NFL Data Huddle, What's Working in Washington Episode 237- Tech Talent comes from more than a Computer Science Degree