

# Alphonso Woodbury

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## Infrastructure Engineer

Infrastructure engineer with **6+ years building distributed systems and foundational infrastructure**. Designed **scalable backend services processing multi-terabyte workloads** with **AWS serverless architecture**. Experience with **distributed systems, internal tooling, and infrastructure-as-code** at enterprise scale.

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## Technical Skills

- **Languages:** Python, SQL, Bash
  - **Infrastructure:** AWS (Lambda, EC2, ECS, S3, Step Functions, Glue), Terraform, Docker, Kubernetes
  - **Backend Systems:** Distributed Architecture, Event-driven Systems, Serverless, API Design
  - **Platform Engineering:** Internal Tooling, Shared Infrastructure, Developer Experience
  - **Observability:** DataDog, Splunk, CloudWatch, Distributed System Monitoring
  - **DevOps:** CI/CD, GitHub Actions, Jenkins, Infrastructure-as-Code
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## Professional Experience

### JPMorganChase

**Sr. Software Engineer, External Data Acquisition** | 02/2023 – Present

- **Built distributed backend systems processing multi-terabyte workloads** using **AWS serverless architecture**
- **Designed internal tooling and shared infrastructure** reducing team integration time from **weeks to 3 days**
- **Implemented Infrastructure-as-Code with Terraform** eliminating manual provisioning workflows
- **Built backend services with event-driven architecture** ensuring **exactly-once processing guarantees**
- **Led on-call rotations** for **critical production systems** serving **multiple engineering teams**

**Software Engineer II, Data Discovery** | 11/2021 – 03/2023

- **Built backend infrastructure supporting 150K+ datasets** with **sub-2 second query performance** at scale

- **Operated distributed systems with Kubernetes** and **container orchestration** handling **millions** of daily requests
- **Participated in 24/7 on-call rotation** for **critical infrastructure services**
- **Optimized backend service performance** across **distributed system architecture**

**Software Engineer I, Data Delivery** | 11/2020 – 11/2021

- **Built internal tools and monitoring infrastructure** using **CloudWatch**, delivered **6 months** ahead of schedule
- **Developed backend migration services** from **legacy systems** to **cloud-native architecture**

## Humana Pharmacy

**Technical Analyst** | 06/2015 - 12/2019

- **Resolved critical infrastructure issues** preventing **\$1.5M system upgrade** through **incident response**
  - **Optimized backend system performance** eliminating **15% of redundant processes**, reducing processing time by **25%**
  - **Scaled operations infrastructure from 5 to 20 analysts** through **system architecture improvements**
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## Projects

**RxVision - Backend ML Pipeline:** Built **end-to-end backend infrastructure** processing **131K images** from NIH database. Implemented **distributed processing architecture** using **containerized services** achieving **93% model accuracy**.

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## Education & Certifications

- **BA, Biological Sciences** – Wright State University
- **AWS Certifications:** Solutions Architect Associate, Developer Associate