

William Houston

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🔗 [GitHub](#) | [LinkedIn](#)

💻 Senior Software Engineer | Data Engineer | Backend Specialist (Python, Go, AWS)

7+ years building scalable backend systems and data pipelines for enterprise SaaS products. Specialize in designing high-performance APIs, distributed data collection, and real-time analytics platforms. Experienced with leading remote teams, mentoring engineers, and driving DevOps migrations. Proven ability to ship clean, testable code across modern cloud stacks.

👛 Experience

ScienceLogic — *Remote*

Team Lead / Senior Engineer (May 2020 – Present)

Leading backend architecture for enterprise data collection and analytics platform used by Fortune 500 clients.

- Re-architected legacy ML anomaly detection pipeline using **ClickHouse**, increasing throughput from **15K** → **400K datapoints/min**
- Built REST APIs in **Python (Flask)**, deployed in **Amazon EKS** for cloud-native SaaS platform
- Mentored a team of 5+ engineers, introduced best practices for code review, microservices, and CI/CD pipelines
- Led Kubernetes migration from on-prem to **AWS EKS**, improving reliability and scaling
- Resolved 40+ high-priority escalations, directly interfacing with customers and support teams

Stack: Python, Go, ClickHouse, Postgres, AWS (Lambda, EC2, EKS, RDS), Kubernetes, Docker, Helm, Kafka

ScienceLogic — Associate Engineer (Jun 2018 – May 2020)

Modernized legacy codebase, improved testing, and introduced microservices patterns using Python/Docker.

- Refactored monolith to containerized microservices using **Python3 + Docker + Helm**
 - Led **Python 2 → 3** migration initiative across major modules
 - Attended **PyCon 2019**; studied TensorFlow, GraphQL, and advanced CS theory
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Education

- **BS, Information Technology – Databases & Programming**, *Cum Laude* — George Mason University
 - **Postgrad Certificate in AI Engineering** — Simplilearn + IBM
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Awards & Certifications

- **Eagle Scout**, Boy Scouts of America
- [Optional: AWS Certified Developer, if you have it or plan to]