Wes Dingman

Software Engineer

Columbia, MD 21075

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github.com/wjdingman1

Skills

Generalist software engineer with a preference for backend technologies.

• Javascript • Python • Go • WDL • NodeJs • Express • PostgreSQL

• Docker • Ansible • Kubernetes • Helm •GRPC • GitlabCI • GCP • AWS

Experience

Asymmetrik Ltd - Software Engineer
MAY 2021 - PRESENT, ANNAPOLIS JUNCTION, MD
• Collaborated with The Broad Institute of MIT and Harvard to develop cloud-optimized pipelines for processing sequenced genomic data at scale
• Led effort to reorganize and automate team's container infrastructure, including developing style guides and best practices for builds, security scanning, etc.
• Developed Python package for processing 100s of GBs of 3' single-cell and single-nucleus count data for the Human Cell Atlas project
• Created custom command-line utility in Go which wrapped the Github Releases API so scientists could easily query various pipeline releases

Next Century Corp - Software Engineer
AUGUST 2019 - MAY 2021, ANNAPOLIS JUNCTION, MD
• Primary software engineer building the UI and application server with Vue and NodeJs for the DARPA Medifor contract
• Created GitlabCI pipeline leveraging Ansible, Docker, and Docker-Compose for running our weekly deployment cycle
• Authored Helm chart for rapid deployment of the entire Medifor system (several dozen microservices) to Kubernetes
• Designed multi-threaded uploading feature for easy video transcoding
• Assisted government agencies through deployment on air-gapped networks

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Education

Johns Hopkins University - Master of Science, Computer Science
JANUARY 2020 - DECEMBER 2022, BALTIMORE, MD
• Cumulative GPA - 4.0

Towson University - Bachelor of Science, Computer Science
JANUARY 2016 - DECEMBER 2019, TOWSON, MD
• Cumulative GPA - 3.7
• Mid-Atlantic CIO Forum Scholarship Recipient
• Software Engineering Club
• Deans list

Publications

W. Dingman et al., "Defects and Vulnerabilities in Smart Contracts, a Classification using the NIST Bugs Framework," Int. J. Networked Distrib. Comput., vol. 7, no. 3, pp. 121–132, Aug. 2019.