Dane Isburgh

I'm a software engineer with experience and interest in full-stack application development, data engineering, and machine learning. Please visit my website for more info.

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💼 Experience

Kroger   2021 - Present
Advanced Data Engineer, Nov 2023 - Present
Sr. Data Engineer, Aug 2021 - Nov 2023
- Technical lead for ETL platform supporting company's multi-petabyte scale data lake, including development of 5K+ daily jobs for 10K+ datasets (Azure, Databricks, Python)
- Integrated catalog to govern and audit data lake usage (Azure, Databricks, Python)
- Created and hosted API to manage data lake ETL configuration (Azure, Kubernetes, Python)
- Created Data Science as a Service platform and lead development of inventory prediction machine learning model, used at stores in the Cincinnati area (Azure, AI, Java, Python)

GE Digital   2018 - 2021
Analytics Engineer, May 2018 - Aug 2021
- Designed and implemented asset analytics and monitoring web app (AWS, Python)
- Developed datacenter infrastructure mapping system (AWS, Java, JavaScript)
- Supported development of cloud asset build and billing automation (AWS, Azure, Java)
- Created model used to forecast infrastructure incidents in ServiceNow, and placed 2nd in company-wide machine learning competition (AWS, AI, Python)

🎓 Education

B.S. in Computer Science   **GPA: 3.76/4.00**
University of Cincinnati, May 2018
- Honors: Magna Cum Laude, IEEE-HKN, Dean's List (2016-2018)
- Work: TA for College of Engineering (2017-2018)
- Capstones:
  - Lead development of AR telepresence robot for Air Force Research Lab (C++, Java)
  - Supported development of image processing payload for NASA student competition (C++)

</> Skills

- **Certifications**: Azure Data Engineer Associate, Databricks Data Engineer Associate, Azure AI & Data Fundamentals, Microsoft Power Platforms Fundamentals
- **Programming**: Python, JavaScript/TypeScript, Java, C++
- **Frameworks**: Pandas, Spark, scikit-learn, Node.js, Angular, FastAPI, Django
- **DevOps**: GitHub, GitHub Actions, Terraform
- **AWS**: IAM, S3, EC2, ECS, RDS, Aurora, SQS, SNS, API Gateway, Lambda, Glue
- **Azure**: Active Directory, Blob Storage, VM, AKS, ADF, Function Apps, SQL, ML, Databricks