Austin Ward

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EXPERIENCE

Capital One
Senior Associate Software Engineer, *Enterprise Data & Machine Learning*　　　　　　　January 2020 - Present
- Lead design discussions for Feature Platform's orchestration system
- Automate scheduling/computation for 400+ features via transformation of metadata into Airflow DAGs
- Remove thirty minute feature ingestion bottleneck providing end users with near-real time feature updates
- Accomplish feature progression across multiple staging environments by parallelizing feature state changes

Capital One
Data Engineer, *Enterprise Customer Intelligence*　　　　　　　August 2019 - January 2020
- Supported 1.5B batch insights per day on the digital customer insights platform (DCIP) by expanding functionality and solving production problems
- Increased clickstream event ingestion by 160% (150M) by implementing auto-scaling for Kafka and Zookeeper
- Decreased engineering effort for Cassandra rehydration from 36 hours to 3 hours through ansible playbooks
- Reduced composition analysis scan from 7 hours to 5 minutes for DCIP repositories by removing obsolete dependencies

Capital One
Software Engineer, *Small Business Bank*　　　　　　　July 2018 - August 2019
- Serviced 500,000 small business bank customers with 3 APIs to handle CRUD user operations and account transactions
- Validated cross-region automatic failover with API remaining healthy during forced east failure
- Shortened staging environment deployments by 25% with parallelized jenkins pipelines
- Increased code coverage to 90% by increasing unit tests logic scenarios

EDUCATION

Binghamton University, Thomas J Watson College of Engineering and Applied Science
Bachelor of Science, Computer Science　　　　　　　May 2018
Certification: AWS Solutions Architect Associate (2019-2022)

PROJECTS

Diabetic Retinopathy Detection　　　　　　　May 2018
- Built a neural network in python without ML libraries to determine the severity of diabetic retinopathy
- Rewarded Best Civic & Humanitarian Open Source Hack

GopherBadger
- Contributed tag specification for unit tests when generating a golang code coverage badge

VOLUNTEER

Lowe Syndrome Foundation, Full Stack Developer　　　　　　　May 2016 - Present
- Developed fullstack of lowesyndromefoundation.org
- Integrate with Stripe to accept donations

HackBU, *Co-Director*　　　　　　　September 2017 - May 2018
- Collaborated with potential sponsors, organized weekly workshops, and advertised hackathon using social media outlets

SKILLS/INTERESTS

Languages: Golang, Python, Java, JavaScript, Rust, C++
Technologies: Vim, Jenkins, Docker, Airflow, Datadog
Hobbies: Espresso Dialing, Photography, 3D Printing, Reading, Cubing