Ronald Macmaster

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EDUCATION

University of Texas at Austin   Austin, TX
Bachelor of Science in Computer Engineering; GPA: 4.0   *Aug. 2014 – Dec. 2017*
Software Engineering and Computer Architecture

EXPERIENCE

Bloomberg L.P.   January 2018 – Present
Senior Software Engineer (Hadoop Infrastructure)   *New York, NY*

Operations
- Automated Processes for building / maintaining 2000+ machines across 30+ distributed Hadoop clusters
- Linux Systems Administration (storage, networking, processes, security, filesystems, etc.)
- Site Reliability Engineering support in (24/7) weekly on-call cycles
- Stack: python, ruby, chef, ansible, linux, advanced bash scripting

Software Development
- Design Documents detailing the scope, architecture, api, tradeoffs, and use-cases
- Develop and Test software for various control-plane microservices and tooling
- Mentor and Collaborate with developers in a pair-programming environment
- Stack: java, spring, react, jenkins, docker, kubernetes

Application Support
- Troubleshoot application issues that may be rooted in infra issues
- Consultation for users on application design and performance optimization
- Analyze upstream open-source project source code for root-cause debugging
- Stack: distributed systems, hadoop, mapreduce, spark, hbase, hive

PROJECTS

Database Copy | *Python, Flask, React, PostgreSQL, Docker*
- Developed a full-stack web application using with Flask serving a REST API with React as the frontend
- Implemented GitHub OAuth to get data from user's repositories
- Visualized GitHub data to show collaboration
- Used Celery and Redis for asynchronous tasks

Genius UI | *Spigot API, Java, Maven, TravisCI, Git*   May 2018 – May 2020
- Developed a Minecraft server plugin to entertain kids during free time for a previous job
- Published plugin to websites gaining 2K+ downloads and an average 4.5/5-star review
- Implemented continuous delivery using TravisCI to build the plugin upon new a release
- Collaborated with Minecraft server administrators to suggest features and get feedback about the plugin

Region Normalizer | *Spigot API, Java, Maven, TravisCI, Git*   May 2018 – May 2020
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SKILLS

Languages: Java, Ruby, Python, Javascript, C/C++
Frameworks: React, Spring, Chef, Ansible
CI/CD: Git, Docker, Jenkins, Kubernetes, Linux System Administration
Distributed Systems: Hadoop, HBase, Spark, MapReduce, Hive