Rene Keli Ferguson
Site Reliability Engineer

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Languages

Python, Java, C/C++

Skills

RedHat Enterprise Linux, WebSphere Application Server, Git, Bash, Splunk, Prometheus, ELF, Kibana, OpenSearch, RedHat OpenShift, Docker

Education

Arizona State University
BS in Computer Science
BA in European History

Barrett, The Honors College

Organizations

ALPHA DELTA PI
Finance Vice President

Software Engineer | JUNE 2024 – PRESENT
Datalus IE – Independent Developer

- Build full-stack web applications using, Python (Flask), React, MongoDB, and SQLite, delivering responsive and performant solutions for diverse client needs.
- Build deployment and configuration pipelines; using webhooks, docker, and ansible.
- Integrate with modern observability tools, such as New Relic
- Consultant for Google, Anthropic, Meta, OpenAI, and Microsoft

Lead Site Reliability Engineer | NOVEMBER 2021 – JUNE 2024
American Express – Enterprise Identity SRE

- Ensure high system performance availability through proactive monitoring, incident response, and performance optimization.
- Designed and implemented scalable infrastructure solutions to minimize downtime during system upgrades and incidents.
- Conducted thorough root cause analysis for incidents and implemented preventative measures to enhance system resilience.
- Automated routine tasks to improve operational efficiency, reduce manual intervention, and streamline change implementation.
- Lead a team of 6-12 engineers; assigned daily tasks and long term projects; responsible for new hire training and continuous coaching; tracking team and individual performance
- Managed operations team schedule including daily areas of responsibility, on-call rotation, and time off requests

Software Engineer | OCTOBER 2019 – DECEMBER 2020
Intel – Yield Systems Engineering

- Designed and implemented interactive data visualization dashboards, enhancing internal stakeholders' ability to make informed decisions based on real-time insights.
- Leveraged Python (Flask, Pandas, Matplotlib) and C# (Blazor) libraries, deploying through Microsoft IIS
- Collaborated with cross-functional teams to gather requirements, ensuring seamless integration of custom automation solutions.

Software Development Summer Analyst | JUNE 2019 – AUGUST 2019
Barclays – Cash Equities Sales Technology

- Independently developed a testing application used to generate and transmit FIX messages over Tibco middleware.
- Deployed and distributed JavaFX desktop application to engineering team, enabling automated performance and regression testing.
- Actively engaged in professional development by attending industry seminars and networking events to expand understanding and contribute effectively to the intersection of technology and finance.

Other Work Experience

Fox Restaurant Concepts | Server, Bartender, Certified Trainer | APRIL 2021-APRIL 2022
Bandera | Server | DECEMBER 2020 – APRIL 2021
Studio Movie Grill | Server, Director, Supervisor, Trainer | AUGUST 2014 – OCTOBER 2019