Fateh Singh

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Summary

Results-oriented DevOps Engineer with a proven track record of implementing and optimizing continuous integration and deployment pipelines, resulting in significant reductions in deployment time and increased release frequency. Skilled in automating infrastructure provisioning and configuration management, leading to improved efficiency and consistency across environments.

Experience

DevOps Engineer - Maropost India   November 2020 - PRESENT

- Designed and implemented a fully automated CI/CD pipeline, resulting in a significant 50% reduction in deployment time and a remarkable 75% increase in deployment frequency.
- Collaborated with development teams to implement infrastructure as code, leading to a notable 30% reduction in infrastructure costs and a commendable 20% increase in system reliability.
- Created and Developed an application for bulk insertion of open and clicks data, aiming to enhance database performance by minimizing overhead, optimizing resource utilization, and improving scalability, resulting in a more efficient and cost-effective solution for handling large datasets.
- Research and recommended new technologies and tools to improve system performance and reliability, resulting in a 20% increase in system efficiency and a 15% reduction in system downtime
- Successfully migrated all servers from CentOS 7 to Rocky Linux 8 using an automated script, ensuring up-to-date configurations, improved system reliability, and earned client appreciation for a seamless transition.
- Worked with Kubernetes to manage Docker containers and Implemented CI/CD allowing for deploy to multiple client Kubernetes/GCP environments.
- Implemented monitoring solutions(Prometheus and Grafana) and centralized logging (GCP logging) for real-time visibility and issue resolution.

Software Engineer - Maropost, India   November 2017 - October 2020

- Conducted thorough reviews and monitoring of code, implementing meticulous repairs to ensure quality, adherence to standards, and optimal performance compatibility with systems.

- Translated design specifications with precision, ensuring meticulous documentation of source code and accurate software configuration in alignment with established standards.
- Migrated all applications from Rails 4 to Rails 5 to leverage performance enhancements, security updates, and new features, ensuring compatibility with the evolving Rails ecosystem and providing long-term support for stable and optimized application development.
- Implemented TimescaleDB to efficiently handle voluminous data records related to opens, clicks, sends, and bounces, optimizing data storage and retrieval for enhanced performance by 100% in email tracking and analytics.

Php Developer - Vertex info solution, India   April 2016 - October 2017

- Customized wordpress themes, and plugins to meet clients' requirements.
- Designed user interface layouts in HTML/CSS to meet the functional requirements set forth by customers.
- Maintained security on web applications deployed across multiple systems through code review and software development best practices.
- Manage a user guide to help clients understand site features and management of website to increase visitor satisfaction.

Skills

- **OS and Server Languages:** Linux CentOs, macOS, Rocky Linux 8, Ruby, PHP, Bash Shell Scripting.
- **Languages and Framework :** Html5, CSS, Javascript, Jquery, Ajax, Ruby on Rails
- **Cloud Platform and services:** GCP, GCE, GKE, LoadBalancers, IAM, Pub/sub, firewall, Container registry
- **Databases:** MYSQL, Postgresql, Redis, Memcache
- **Tools & Technologies:** Docker, Kubernetes, Git, Apache, Nginx, HAproxy, Vagrant, Terraform, Newrelic, Elastic Search, Jenkins, Ansible

Education

Indo Global College, India — Bachelor of Technology   August 2011 - May 2015
Branch: Computer Science Engineering