Vincent Marone

Software Engineer

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LANGUAGES

Go · PHP · Python · Bash · Javascript/Typescript · Java · C · C++ · SQL

TECHNICAL

Git · Linux · CEPH · S3 · Kubernetes · NodeJS · Docker · Nginx · BGP · FRR · Ansible · Puppet · SQL (Mysql, Mariadb, Postgres) · NoSQL (MongoDB) · Redis · CI/CD Pipelines · Cloudinit · Vagrant · Packer · Qemu/KVM · Libvirt · Vite · RabbitMQ · Terraform · gRPC · Prometheus · Loki

WORK EXPERIENCE

CoreWeave • Feb 2023 - August 2025

Senior Software Engineer I

- Led the decommissioning of CoreWeave's cw-node-controller, architecting and implementing its migration into the more efficient fleet-lifecycle-controller, resulting in streamlined node provisioning and management.
- Enhanced the node eviction process by designing a robust root-cause analysis system, enabling automated, data-driven eviction decisions and reducing manual intervention.
- Engineered seamless state synchronization between cw-node-controller and fleet-lifecycle-controller during migration, ensuring uninterrupted operations and zero downtime for customer workloads.
- Implemented comprehensive metrics for node eviction to give fleet-lifecycle-controller deeper insights into the node eviction process to help us meet SLI and SLO targets.

Provisioning Team Lead

- Took full ownership of critical infrastructure projects including fleet-lifecycle-controller, cw-node-controller, flcc-helper, epimetheus, and cwctl—key components forming the backbone of CoreWeave's node provisioning infrastructure.
- Applied deep technical expertise to manage complex interdependencies between systems, ensuring reliable delivery of healthy nodes to customer clusters and automated removal/replacement of unhealthy nodes, directly impacting revenue.
- Acted as a primary technical point of contact between the FLCC team and leaders in other engineering areas, keeping the team aligned with upstream dependencies, new designs, and strategic initiatives.
- Led design and implementation efforts across multiple high-impact systems, balancing urgent fixes with long-term scalability and efficiency goals.
- Introduced innovative processes to streamline node provisioning operations, improving stability, performance, and maintainability across the provisioning stack.
- Drove improvements in code quality and maintainability through rigorous code reviews, architectural guidance, and hands-on refactoring of complex systems.
- Proactively mentored and supported team members, guiding them through debugging, architectural decisions, and ownership of individual components to foster skill development and autonomy.
- Developed strategies to balance planned feature development with unplanned reactive work, helping to shift team operations toward a healthier 50/50 planned-to-unplanned workload.
- Implemented delegation practices to reduce bottlenecks, empowering team members to take on critical responsibilities and improving collective team throughput.
- Enhanced communication within the team through daily standups, collaborative troubleshooting sessions, and tailored communication approaches for different team members, increasing alignment and transparency.
- Strengthened leadership capabilities by managing multi-faceted, business-critical projects, coordinating work across parallel development streams, and maintaining focus under high-pressure timelines.
- Refined advanced problem-solving skills by designing scalable solutions that address cross-system complexities while minimizing downstream risk.
- Contributed to innovation and technical direction by identifying architectural improvements, evaluating trade-offs, and implementing solutions that support both immediate needs and long-term vision.
- Represented the team and CoreWeave leadership in strategic discussions, ensuring technical decisions align with business objectives.
- Cultivated a collaborative, high-performing team culture by fostering trust, respect, and shared accountability, fully embodying CoreWeave's values of "Achieve More Together" and "Empower Employees."

Infrastructure Engineer

- Designed and implemented lokiforward, enabling improved logging workflows.
- Fully rewrote Promforward, enhancing maintainability, scalability, and ease of adding future features.
- Built an automatic Mellanox NIC firmware upgrade tool to ensure all NICs maintain healthy, up-to-date firmware.
- Played a key role in building and maintaining cw-node-controller and cwctl, automating node provisioning and removing legacy controllers.
- Contributed/Built to multiple Kubernetes controllers (connectivity controller, HPC verification controller, label controller, condition controller), improving node health automation.
- Led the migration from Kyverno policies to jspolicy, enabling Kyverno phase-out and simplifying policy management.
- Proactively identified and implemented scalable design improvements in the node controller project, optimizing packaging, testing, and operational efficiency.
- Rapidly adapted to a new programming language and tech stack, delivering high-quality solutions in evolving project environments.
- Fostered a collaborative, respectful team culture, supporting new colleagues and encouraging open communication.
- Delivered tailored, high-quality solutions that consistently exceeded internal client expectations, enhancing team and company reputation.
- Actively sought and applied new technologies, maintaining cutting-edge skills and industry knowledge.
- Represented CoreWeave at KubeCon, effectively communicating product capabilities and generating new business leads.

Trader Interactive   • Nov 2022 - Feb 2023

Senior Software Engineer

- Migrated PHP 7.4 applications to PHP 8.0.
- Planned a migration path and upgraded from Laravel 7 to Laravel 8.
- Participated in Backlog Grooming, Daily Sprint Standups, and Sprint Planning.
- Improved automation of development environment for future onboarding of developers.

Constant LLC / Vultr   • Jan 2019 - July 2022

Senior Platform Engineer

- Architected and implemented a fault-tolerant performance backup system that scaled to over 500,000+ customer virtual machines.
- Led design and development of a block storage product, which led to 150% increase in revenue.
- Improved platform reliability by reducing PHP error rates by 85%.
- Architected, designed and implemented CEPH backed storage as a disk storage option for VM's.
- Modernized mission-critical systems to be distributed across 12,000+ VM host macro service that handled all customer virtual machine automation. Provisioning, Configuration, and Cleaning up.
- Helped maintain existing production clusters and participated in an on-call rotation.
- Was the Sole Maintainer of multiple customer facing vultr products related to CEPH.
- Handled unusual technical issues, acted as a final level of escalation.
- Coordinated/Participated in Sprint Planning and had weekly 1 on 1's to remove impediments.
- Mentored junior developers, conducted code review to ensure compliance with corporate standards

Platform Engineer

- Built a process manager queue system that powers all PHP asynchronous scripts at vultr.
- Architected and implemented a migration tool to sunset 15 old CEPH clusters in 16 different Datacnters transferring petabytes of data from 1 CEPH cluster to a new CEPH cluster.
- Wrote and maintained an open source PHP client https://github.com/vultr/vultr-php
- Created CI/CD pipelines for rpm/apt builds, automated tests, and deployment cycles.
- Implemented a rollback feature for FRR routing configs which decreased datacenter outage rates by 40% using Python and vtysh to validate BGP sessions.
- Architected and implemented Crypto Currency payment options into Vultr's Billing System.

Software Engineer

- Built a IP Subnet scanner that used a collection of SORBS using Laravel(PHP) and VueJS.
- Built a Sitemap generator that generated an xml with thousands of URLs.
- Implemented a single pane of glass view for monitoring 27 different datacenters, reducing false positive alerts. Built using Icinga, VueJS, Laravel(PHP), and NodeJS.
- Designed, architected, and implemented a user permission system for internal facing dashboards using bitwise operators in PHP.
- Architected, designed, and implemented a speedtest/pinghost. It was deployed to over 27 Datacenters using CI/CD pipelines.

Zodiac Aerospace   • Aug 2018 - Dec 2018

Support Developer

- Efficiently migrated terabytes of data from over 50 computers throughout the office into dropbox using Java to autodetect, remove, and upload for the client.
- Facilitated employee support requests fixing any sort of computer problem they may have had.

Liveshopbuy Inc   • June 2018 - Aug 2018

Software Developer Intern

- Wrote a magento seller coupon module in PHP.
- Wrote a GDPR Pop-up Javascript Plugin.

EDUCATION

Associate of Science: Computer Science
Brookdale Community College
Lincroft, New Jersey • 2018

REFERENCES

Eric Van Trease

Senior Solutions Architect @
Wasabi Technologies

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Lee Martin

Senior Software Engineer @
Coreweave Inc

E : lee@leemartin.us

Mike Biondi

Director of Engineering, Cloud
Native @
Vultr

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