

Warren Veerasingam

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Figment Interactive Inc | San Francisco, CA

Technical Co-founder (backed by a16z)

Feb 2025 - Jul 2026

- Co-founded a startup backed by a16z Speedrun, leading product strategy and end-to-end engineering from concept to MVP.
- Developed an AI-native storytelling platform using Go, Python, React/Next.js, PostgreSQL, graph databases, and vector databases, rapidly shipping features based on continuous customer feedback
- Built the internal developer platform that allowed engineers to rapidly experiment, iterate, and ship new features
- Led product demos to investors and customers, conducted user interviews, validated pricing and customer willingness to pay

Pixar Animation Studios | Emeryville, CA

Senior Software Engineer

Sept 2022 - Feb 2025

- Pioneered Pixar's AI-powered semantic search for production assets, replacing manual asset tagging and enabling animators to search by meaning rather than exact keywords
- Designed a distributed testing framework for Presto, Pixar's real-time animation engine, executing thousands of parallel tests across the render farm to ensure production stability for latency-sensitive workflows
- Designed and built backend systems supporting Pixar's Presto animation platform and NFS-based production infrastructure, improving the reliability, scalability, and performance of services used by artists and production teams across the studio

Pearson Education | Iowa City, IA

Senior Site Reliability Engineer - Team Lead

Jul 2018 - Aug 2022

- Architected a fault-tolerant, serverless distributed system using AWS Lambda and Step Functions to replace legacy physical infrastructure
- Enhanced system resilience by eliminating single points of failure, ensuring high availability for critical educational platforms serving millions of users
- Developed automated resource orchestration tools to manage non-production environments, dynamically scaling resources based on active usage
 - Achieved a 40% reduction in monthly cloud infrastructure costs while maintaining availability (verified by Finops team)
- Engineered an asynchronous event-driven architecture using Kafka to decouple distributed services and improve scalability under high load.
- Decomposed a large legacy monolith into independently deployable microservices running in isolated AWS VPCs, improving scalability, deployment velocity, and operational isolation.
- Defined reliability objectives for critical assessment services, including 99.9% availability SLOs and p99 API latency below 250 ms, using CloudWatch dashboards, Grafana, and CloudWatch Alarms to monitor SLIs such as request latency, error rate, throughput, and Lambda concurrency
- Accelerated the onboarding of 4 new engineers by designing an intensive SRE bootcamp, enabling the team to ship production code within their first month

Software Developer

Jan 2013 - Jul 2018

- Re-architected legacy systems into a cloud-native AWS platform, eliminating capacity bottlenecks and enabling auto-scaling to support 1.5 million concurrent users
- Championed the migration from Perl to Go by building production prototypes and demonstrating measurable improvements in performance, maintainability, and type safety
- Developed a fully automated end-to-end smoke test pipeline by integrating Jenkins and Selenium

Patents & Innovation

4 patents - 9,507,792 B2 • 9,311,048 B1 • 10,078,670 B2 • 10,977,259 B2 - developed software that enables teachers to easily administer classroom-level quizzes by using their mobile phones

Drake University | Des Moines, IA

Dec 2012

Bachelors of Science in Actuarial Science, Computer Science, and Information Systems

Skills

- Maintainer of tfswitch, an open-source Go CLI with 1,500+ GitHub stars and 48 contributors, recommended by HashiCorp
- **Languages:** Go, Python, JavaScript, TypeScript, Bash **Framework:** FastAPI, Flask, Next, React **Cloud & Infrastructure:** AWS, GCP, Kubernetes, Docker, Terraform, Rancher **Databases:** PostgreSQL, MySQL, MongoDB, Graph Databases (Neo4j), Vector Databases (Weaviate, Milvus, pgvector) **Observability:** Prometheus, Grafana, Splunk, CloudWatch, DataDog, PagerDuty
- Interests: Private pilot, sailing, scuba diving, badminton, reading and photography