

Tyler M. Davis

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Work History

Apple – ASE SRE (IC)

Duration: February 2024 - *Current*

Position Summary: Supported major lines of business (LOB) within the Apple Services (ASE) division. Established processes and tooling across SRE to accelerate development timelines while reducing maintenance, cost, and human intervention.

- Expanded Dev/SRE relationships across multiple teams and leadership.
- Reduced PagerDuty alert rates for all LOBs by 65% across three months.
- In collaboration with Security Team, reduced Mythos false-positive rates by 70% leveraging adversarial AI and contextual systems/application data.
- Reduced Claude-based investigation tool (“ai-toolbox”) runtime cost by 30x. Accelerated incident investigation and mitigation timelines by over 10x.
- Reduced new-hire onboarding time from 9 to 3 days (72 -> 24 hours), then ~8 hours through zero-dependency scripting (“waddle”). This led to a division-wide internal product development to replicate those results (“Concourse”).
- Defined and promoted new service-onboarding template which produced contract-ready SLA and Disaster-Recovery (DR) plans.
- Expanded and optimized documentation for improved global communications, for both Dev and SRE teams.

HP Enterprise (HPE) – Lead SRE Evangelist, Solutions Architect (IC)

Duration: July 2021 - February 2024

Remote (HP Enterprise)

Position Summary: Proposed and drove programs for collective Engineering Standards across business units (BUs). Identified and delivered solutions for addressing [micro]service sprawl. Delivered and ratified standards for unified

Reliability language, coding language standards for Go, and Maturity Model for services. Mentored SRE team and other engineers.

- Designed and deployed DevOps Entity ID (DED) system for unified systems identification.
- Created and promoted the Maturity Model for service readiness.
- Proposed and delivered Engineering Standards within Greenlake and influenced the organization-wide Standards committee which followed.
- Lead the Reliability Standards Working Group (WG).
- Integrated SRE, Security, and Architecture reviews in a three-pronged approach to reduce incident frequency across new and existing systems.
- Mentored Customer Operations, SRE teams, and individuals across engineering roles.

Education

- University of Kansas College of Liberal Arts & Sciences, B.A. Sociology Lawrence, KS (August 2005 - September 2008)
- Coursera - Strategic Leadership and Management Specialization - Certificate EAP4D522TGU6A (August 2016 - July 2017)

Presentations and Publications

- Kubernetes 1.0 Launch - Customer Showcase: Porch (2015)
- Webinar: Managing Containers in Production with Google Container Engine & Kubernetes (2016)

Core Technical Skills

- Languages: Go (Golang), Python, Java, Perl, C, C++, Rust (rustlang), Shell
- Platforms: GCP, Kubernetes, Docker, JVM, MySQL, PostgreSQL, AWS, Datadog, NewRelic, Splunk, Grafana, ClaudeCode
- Competencies: Information Security, Privacy, Systems Architecture, Software Design, Site Reliability Engineering (SRE)