

Samantha M Schaevitz

CONTACT	Zürich, Switzerland	samanthaschaevitz.com	samschaevitz@gmail.com
PROFILE	Principal software engineer with a decade+ of experience in leading technical organizations as they build and operate innovative planet-scale systems with a high level of reliability. Currently the Area Tech Lead for Workspace (4K+ engineers) Production & Reliability, and the most senior individual contributor and only Principal Engineer in Google Workspace's Site Reliability Engineering organization (185+ engineers). Recent focus on data sovereignty, capacity efficiency & automation, and automated fleet (1K+ nodes) management.		
PROFESSIONAL EXPERIENCE	<div><div>Google Principal Engineer – Workspace</div><div>2013-12 – Present</div><div>Area Tech Lead for Workspace (Gmail, Drive, Meet, Calendar, Chat, etc. with 3B+ users, 6M+ paid customers) production & reliability. Hired as an L3 Software Engineer, I have been promoted in this role 5 times – most recently in 2023. I set the technical bar for the organization, broker decisions where there is paralysis, work cross-functionally beyond Workspace with the rest of Google, and grow and mentor the bench of staff+ technical leaders in the organization, in addition to trailblazing and delivering technical contributions:<ul style="list-style-type: none">• Reduced production cost, capacity outages, and manual operational work through strategy development, x-org alignment, and lead a core team of 5+ engineers to safely & efficiently onboard 1K+ services in a 4K+ person organization to our capacity automation platform• Improved production standards (e.g. safe deployment practices, compliance commitments, AAA hygiene, etc.) adoption, regression, and remediation across the 4K+-engineering organization by developing continuous fleet validation & reporting infrastructure• Developed and co-authored the CEO of Google Cloud-approved technical strategy for the business' next-gen data sovereignty strategy, through cross-functional collaboration with PM leadership, systems analysis, and targeted prototyping• Reduced user-visible outages caused by confusing and complicated network configuration by finding x-organizational alignment to refocus the Google network organization on the needs of Workspace services• Kept Google Meet capacity ahead of user demand during the early months of the COVID19 pandemic (see publications)• Owned and developed the production strategy for the migration of Google Calendar to an entirely new storage system, which took place without incident• Reduced stuck rollouts, operational load of tool management, and cognitive load of varied procedures of Gmail's binary release process (30+ services) by developing and migrating to next-gen intent-driven rollout infrastructure</div><div><div><i>Internal Technology Resident in Corporate Operations Engineering</i></div><div>2012-08 – 2013-12</div><div><ul style="list-style-type: none">• Built software to make Support at Google run more efficiently and effectively, including a Python server run on App Engine to generate acceptable schedules for the global support organization</div><div><div>UC Berkeley ResComp Unit Supervisor, Consultant</div><div>2009-08 – 2012-05</div><div><ul style="list-style-type: none">• Supervised a team of four Residential Computing Consultants (RCCs) responsible for technical support services• Enacted networking, security, and peripheral troubleshooting and configuration tactics to resolve software and hardware problems for 1000+ students living in residence halls</div></div></div></div>		
PUBLICATIONS	StaffPlus London: The Dark Side of Standardization (June 2023) USENIX SREcon: Scaling for a Pandemic: How We Keep Ahead of Demand for Google Meet during COVID-19 (October 2021) StaffPlus Live: How We've Scaled Meet During COVID19 (September 2021) All Day DevOps: How We Scaled Google Meet during COVID19 (November 2020) Google Workspace Blog: Three months, 30x demand: How we scaled Google Meet during COVID-19 (August 2020) USENIX SREcon: Deploying Changes to Production in the Age of the Microservice (August 2017)		
EDUCATION	University of California, Berkeley <i>Bachelor of Arts in Computer Science, French Language Minor</i> <div>2008-08 – 2012-05</div>		
COMMUNITY	HURIDOCS Full-Stack Developer <div>2019-09 – 2020-03</div> <ul style="list-style-type: none">• Significantly improved human rights data curation throughput by developing and productionizing a machine-learning based suggestion agent		

NetHope, Slovenia *Network Operations Engineer, Electrician*

2015-12

- Surveyed and deployed 10+ wireless networks and 20+ charging stations at 3 refugee accommodations (5000+ refugee capacity)

LANGUAGES English, French, German

ACTIVITIES The Zoogler Orchestra (Flute Section), traveling (30+ countries), alpine sports (skiing, hiking, lake swimming, etc.)