

# 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><b>Google</b> 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 &amp; 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"><li>• 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 &amp; efficiently onboard 1K+ services in a 4K+ person organization to our capacity automation platform</li><li>• 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 &amp; reporting infrastructure</li><li>• 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</li><li>• 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</li><li>• Kept Google Meet capacity ahead of user demand during the early months of the COVID19 pandemic (see publications)</li><li>• Owned and developed the production strategy for the migration of Google Calendar to an entirely new storage system, which took place without incident</li><li>• 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</li></ul></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"><li>• 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</li></ul></div><div><div><b>UC Berkeley ResComp</b> Unit Supervisor, Consultant</div><div>2009-08 – 2012-05</div><div><ul style="list-style-type: none"><li>• Supervised a team of four Residential Computing Consultants (RCCs) responsible for technical support services</li><li>• Enacted networking, security, and peripheral troubleshooting and configuration tactics to resolve software and hardware problems for 1000+ students living in residence halls</li></ul></div></div></div></div>		
PUBLICATIONS	<div><b>StaffPlus London:</b> The Dark Side of Standardization (June 2023)</div> <div><b>USENIX SREcon:</b> Scaling for a Pandemic: How We Keep Ahead of Demand for Google Meet during COVID-19 (October 2021)</div> <div><b>StaffPlus Live:</b> How We've Scaled Meet During COVID19 (September 2021)</div> <div><b>All Day DevOps:</b> How We Scaled Google Meet during COVID19 (November 2020)</div> <div><b>Google Workspace Blog:</b> Three months, 30x demand: How we scaled Google Meet during COVID-19 (August 2020)</div> <div><b>USENIX SREcon:</b> Deploying Changes to Production in the Age of the Microservice (August 2017)</div>		
EDUCATION	<div><b>University of California, Berkeley</b></div> <div>2008-08 – 2012-05</div> <div><i>Bachelor of Arts in Computer Science, French Language Minor</i></div>		
COMMUNITY	<div><b>HURIDOCS</b> Full-Stack Developer</div> <div>2019-09 – 2020-03</div> <div><ul style="list-style-type: none"><li>• Significantly improved human rights data curation throughput by developing and productionizing a machine-learning based suggestion agent</li></ul></div>		

**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.)