RSteveSellers.com **R. STEVE SELLERS, P.E.** San Mateo, CA
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Tesla Motors **Staff Tech Lead / Manager, High Voltage Battery Test** **Dec 2023 – …**

- I lead a team of engineers dedicated to reliability validation testing of electric vehicle high voltage batteries.
- Notable projects include 1M mile mechanical and environmental reliability demonstrations for the new Cybercab and Tesla Semi 400V/1000V packs, and technical RCCA spanning HV creep, cells and fatigue.
- We achieved product salability without derailing aggressive timelines in a fast paced technical environment.
- I increased our org testing resources +30% during a 2 year, $10M, 1.5MW infrastructure construction project.

Hexagon Wireless **Co-Founder, CTO** **Feb 2022 – Dec 2023**

With innovative wireless infrastructure, we connect the unconnected and unlock new real estate income streams.

- Starting from zero, we partnered with some of the largest holding firms across eight states to deploy a total of 350+ LTE/4G small cells and macro cells, for novel connectivity solutions and mobile neutral host.
- Closed Seed & Series A funding ($8M total), presented in conferences & podcasts as an industry leader.

Google **Tech Lead / Manager, Hardware Reliability Engineering, Pixel Phone** **2020 – Feb 2022**

- I led a team of engineers to ship $15M+ of in-warranty return reductions, impacting multiple technical domains in the Pixel organization: logic board, product design, DFM, TechOps, modules & subassembly.
- My team was influential in challenging deep-rooted norms in cross functional orgs (PD, TechEng, ID, HW, etc).
- I fostered deep partnerships with senior leaders of global carriers like T-Mobile, AT&T, Orange, and DoCoMo.

Google **Sr Hardware Reliability Engineer, Pixel Phone** **2016 – 2020**

- Spanning 3 successful phone launches, I led Asia-based hardware reliability programs from NPI through MP.
- I drove RCCA across 10k+ test articles for a high volume, fast paced and deadline driven consumer product.
- Presented risk forecasts to Google VP execs and drove fixes with cross functional teams (PD, EE, TechOps, ID).

Google[X] 'moonshot factory' **Hardware Reliability Engineer** **2015 – 2016**

- Owned Test & Rel programs leading to first flight in *Makani*, and early de-risking leading to launch of *Malta*.
- Designed & delivered large scale 1500 cu. ft./35kW test lab, managed derisking activities (DFMEA, test spec).

Areva Solar **Test Engineer II** **2012 – 2015**

- I increased operating efficiency 25% in India's largest solar thermal plant (3km², 125MWe, Rajasthan India).

Education

MS Mechanical Engineering **University of Wisconsin-Madison** **2010 – 2012**

Authored Masters thesis and three journal papers during a 2-year research project.

BS Mechanical Engineering **Utah State University** **2006 – 2010**

Accomplishments

- See Google Scholar & Website for a full list of journal publications, patents & extracurricular.
- Google *Super G Award* recipient (2018), given yearly for exceptional performance in Devices & Services Org.
- Suicide Hotline Volunteer at San Francisco Suicide Prevention, sfsuicide.org (2016-2018).
- Registered Professional Engineer in California.

Technical skills: JMP, Python, SQL, Weibull++, Labview, UG NX, SolidWorks. Well versed in reliability analysis.
Material skills: ASTM & Instron methods, Failure Analysis techniques (SEM, EDS, FTIR, FIB, XRD, EBSD).