|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| |  | | --- | | **Jennifer Huang <huangjennifer@google.com>** | | Attachments1:47 PM (6 hours ago) |  | https://mail.google.com/mail/u/0/images/cleardot.gif  https://mail.google.com/mail/u/0/images/cleardot.gif |
| |  | | --- | | to me  https://mail.google.com/mail/u/0/images/cleardot.gif | | | |

Hi Oleksii,

As promised, I'm sending you some general information on SRE SWE prep. We are currently hiring in the Bay Area, San Francisco, and Pittsburgh. If you prefer to wait until roles open up in Austin, we can reconnect at a later time. If you prefer to explore roles outside of SRE, I can share your profile with some of my colleagues who support hiring for those roles as we are pretty specialized in the areas we hire for here at Google. Feel free to let me know if you have any questions or how you'd like to proceed.

Best,

Jennifer

The Site Reliability Engineering team is one of the most visible and respected teams within Google, and the most mission-critical. This role combines software development and systems engineering expertise to build and run large-scale, massively distributed, fault-tolerant software, systems, and infrastructure. What really stands out about this position is that you are working with the largest infrastructure in the world and at the largest scale within Google. We are especially looking for engineers who love to build things, code on a regular basis, and enjoy being challenged by problems of scale and complexity. Our engineers work primarily on software development, automation, high-level system architecture, networking, algorithms and data structures, and general problem-solving.

Google is constantly expanding, collaborating, and creating - we are actually about five years ahead of current technology and you'll be in the center of this cutting-edge innovation. Also, what's special about this team is that there is a lot of portability available- engineers are free to participate in whatever projects and products they find interesting. Another bonus is our 20% project, which encourages engineers to get involved with projects outside of their main focus area.

The SRE team works on projects such as BigTable, Spanner and Chubby in production. Right now some hot topics for our team are storage, containers, Big Data, file systems, and our Kubernetes open source project -- really trying to scale at the next level.

To give you a little more information about Site Reliability Engineering and the impact they make on all of our users, I've included a few links that I think you might find interesting:

<http://www.wired.com/2016/04/google-ensures-services-almost-never-go/>

<https://www.google.com/about/careers/stories/site-reliability-engineering-profile-google/>

<http://venturebeat.com/2014/07/10/google-kubernetes-microsoft-ibm-docker/>

<http://techcrunch.com/2015/05/06/google-launches-cloud-bigtable-a-highly-scalable-and-performant-nosql-database/?ncid=rss>

[https://developers.google.com/open-source/projects](https://developers.google.com/open-source/projects" \t "_blank)

<https://www.youtube.com/watch?v=kCcYip60_aY>

<http://gigaom.com/2014/08/07/google-shows-off-mesa-a-super-fast-data-warehouse-that-runs-across-data-centers/>

<http://googleforstudents.blogspot.com/2012/06/site-reliability-engineers-worlds-most.html>

<https://www.youtube.com/watch?v=avP5d16wEp0&feature=youtu.be>

<https://www.youtube.com/watch?v=yXI7r0_J29M>

SRE Projects

- Autoscaling

- Load Balancing 1 million requests per second!

-MapReduce: Simplified Data Processing on Large Clusters

-Bigtable: A Distributed Storage System for Structured Data

- Spanner: Google's Globally-Distributed Database

- F1 - The Fault-Tolerant Distributed RDBMS

- The Chubby Lock Service for Loosely-Coupled Distributed Systems

- Ganeti - cluster-based virtualisation management software

- Megastore: Providing Scalable, Highly Available Storage for Interactive Services

- Large-scale Incremental Processing Using Distributed Transactions and Notifications

- Omega: flexible, scalable schedulers for large compute clusters

- Dremel: Interactive Analysis of Web-Scale Datasets

- Photon: Fault-tolerant and Scalable Joining of Continuous Data Streams

 -Large-scale cluster management at Google with Borg

- MillWheel: Fault-Tolerant Stream Processing at Internet Scale

SRE Book

Our Google SRE team just recently published a book all about the true definition of SRE @ Google, and the impactful work they do everyday to build and operate distributed systems and large-scale production infrastructure. Check out this site to read it online for free! <https://landing.google.com/sre/book.html>

--

|  |  |
| --- | --- |
|  |  |
| https://lh5.googleusercontent.com/46wrNSFxmOkMvuAtVwvSFXxUahy84pZV1Qic0UJLwtzvnQTB7s-s4dZnC7iJPepfCbWhiRSBbB6jEeCz3H5VBv-MM-LRsZUgzGLvBiQU1B9tt_a-ElvsCRKaAwYvbz-hNTlWmfPg | **Jennifer Huang**  Staffing Specialist  1 (212) 565 6553  [careers.google.com](http://careers.google.com/" \t "_blank)  [https://lh6.googleusercontent.com/R64kfOnos05_6SwIZg27cW-JglEZMZ3H81yYmSWo1dleZay4CPlYc_V8V3cy-fZx5P5vWl4egCzXca2H3GvWsyxlxKHQN1gd69JChaOA1vfQoll5tjCuPZzbhpLoqGLX5bHvkjjY](https://plus.google.com/+lifeatgoogle)[https://lh5.googleusercontent.com/332rXqBhFB8WPgvm871WdvfaouewzZ7etnjozdLSmxVFCdXM5oclIkYnMhM6nCYvlK6ddA3WEE6vzm2giCQxUA67DUud_l20RgoKmMhOoufS5CWvwHO4aTMEy27jdoE0opuqc9_7](https://www.linkedin.com/company/google/)[https://lh3.googleusercontent.com/R7yXXx420DdfxHbEGwVQkcz5Q1GRXEnW7-g_xsmS5FeeI1Xl01LPrXEzwExM7vWJUMvjZTAaquLK9Pz_EGhdS-5tEszANv8W8QcqcmiYTYINH4QNpvlwD52Cjf-FN1cBm5bERtpR](https://www.youtube.com/user/lifeatgoogle)[https://lh6.googleusercontent.com/qhc6iurnpKA9ETjcRQkdXarP2wP2TNvgPYgn90FXHHEGDAQi4iWUYjdICKE7eCe0ngneHxi16qrn-yYf0EOHlCHCXw8SL-wYZPzW-kqbEgNI6Yx0fEzILgeTLl0ttg7MoS2G-PXF](https://www.facebook.com/lifeatgoogle/)[https://lh4.googleusercontent.com/4bNpjfvTCOHMTss0Z_Gr3Qp8gQFWtk6d31T8IxcphcAcFd8V9EXaCvq9tclorQpbyrA66sPpxnpMcYLubgSvEiwF0j2ZHv9a01JXJWSZ_1wQtpBt9BDBriBe5q8S3RHNowRR3_Fs](https://twitter.com/lifeatgoogle)[https://lh4.googleusercontent.com/dFm8eYWPJjmrZz_HU4E85IaAniR3FMXOXhcqeZnbEZX-cTCYC8PmOGgSrxGIqG7TsG3O3-W6NqG6HlJ_2-89EAIJ4xuYk7SBsm5HmZ48E8sIGx_pnIVIaFkztMbQdXYKH1vrWw2T](https://www.instagram.com/lifeatgoogle) |

[Working on the Google Cloud Team](https://www.youtube.com/watch?v=ECbWQPTKVZ4)

[Working at Google: Meet our Production Engineers for Site Reliability](https://www.youtube.com/watch?v=bwt6TZjefGM&feature=youtu.be)

[Site Reliability Engineers: "We solve cooler problems"](https://www.google.com/about/careers/stories/site-reliability-engineering-profile-google/)

Attachments area

[Preview YouTube video Keynote: Why Did We Think Large Scale Distributed Systems Would be Easy? - PuppetConf 2013](https://www.youtube.com/watch?v=kCcYip60_aY&authuser=0" \t "_blank)

[[](https://www.youtube.com/watch?v=kCcYip60_aY&authuser=0)](https://www.youtube.com/watch?v=kCcYip60_aY&authuser=0" \t "_blank)

[[https://ssl.gstatic.com/docs/doclist/images/mediatype/icon_2_youtube_x16.png](https://www.youtube.com/watch?v=kCcYip60_aY&authuser=0)](https://www.youtube.com/watch?v=kCcYip60_aY&authuser=0" \t "_blank)

**[Keynote: Why Did We Think Large Scale Distributed Systems Would be Easy? - PuppetConf 2013](https://www.youtube.com/watch?v=kCcYip60_aY&authuser=0" \t "_blank)**

[Preview YouTube video Explore a Google data center with Street View](https://www.youtube.com/watch?v=avP5d16wEp0&authuser=0" \t "_blank)

[[](https://www.youtube.com/watch?v=avP5d16wEp0&authuser=0)](https://www.youtube.com/watch?v=avP5d16wEp0&authuser=0" \t "_blank)

[[https://ssl.gstatic.com/docs/doclist/images/mediatype/icon_2_youtube_x16.png](https://www.youtube.com/watch?v=avP5d16wEp0&authuser=0)](https://www.youtube.com/watch?v=avP5d16wEp0&authuser=0" \t "_blank)

**[Explore a Google data center with Street View](https://www.youtube.com/watch?v=avP5d16wEp0&authuser=0" \t "_blank)**

[Preview YouTube video Site Reliability Engineers — Keeping Google up and running 24/7](https://www.youtube.com/watch?v=yXI7r0_J29M&authuser=0" \t "_blank)

[[](https://www.youtube.com/watch?v=yXI7r0_J29M&authuser=0)](https://www.youtube.com/watch?v=yXI7r0_J29M&authuser=0" \t "_blank)

[[https://ssl.gstatic.com/docs/doclist/images/mediatype/icon_2_youtube_x16.png](https://www.youtube.com/watch?v=yXI7r0_J29M&authuser=0)](https://www.youtube.com/watch?v=yXI7r0_J29M&authuser=0" \t "_blank)

**[Site Reliability Engineers — Keeping Google up and running 24/7](https://www.youtube.com/watch?v=yXI7r0_J29M&authuser=0" \t "_blank)**

[Preview YouTube video Working on the Google Cloud Team](https://www.youtube.com/watch?v=ECbWQPTKVZ4&authuser=0" \t "_blank)

[[](https://www.youtube.com/watch?v=ECbWQPTKVZ4&authuser=0)](https://www.youtube.com/watch?v=ECbWQPTKVZ4&authuser=0" \t "_blank)

[[https://ssl.gstatic.com/docs/doclist/images/mediatype/icon_2_youtube_x16.png](https://www.youtube.com/watch?v=ECbWQPTKVZ4&authuser=0)](https://www.youtube.com/watch?v=ECbWQPTKVZ4&authuser=0" \t "_blank)

**[Working on the Google Cloud Team](https://www.youtube.com/watch?v=ECbWQPTKVZ4&authuser=0" \t "_blank)**

[Preview YouTube video Working at Google: Meet our Production Engineers for Site Reliability Hangout on Air](https://www.youtube.com/watch?v=bwt6TZjefGM&authuser=0" \t "_blank)

[[](https://www.youtube.com/watch?v=bwt6TZjefGM&authuser=0)](https://www.youtube.com/watch?v=bwt6TZjefGM&authuser=0" \t "_blank)

[[https://ssl.gstatic.com/docs/doclist/images/mediatype/icon_2_youtube_x16.png](https://www.youtube.com/watch?v=bwt6TZjefGM&authuser=0)](https://www.youtube.com/watch?v=bwt6TZjefGM&authuser=0" \t "_blank)

**[Working at Google: Meet our Production Engineers for Site Reliability Hangout on Air](https://www.youtube.com/watch?v=bwt6TZjefGM&authuser=0" \t "_blank)**