Jeff Quast

contact@jeffquast.com
Santa Cruz, CA

I am an experienced Software Engineer, focused on Python and Linux for the past 19 and 23 years, respectively. I challenge myself into any new science, engineering, or business fields without fear, and have collected a diverse history of experiences in many. After just recently completing my greatest work at Joby Aviation, I look forward to discussing any experience you may find below that we can draw upon to make a successful future together.

Joby Aviation	*Software Engineer*	Santa Cruz, CA	Apr.	2017-	Nov.	2019

Founded in 2009 to revolutionize personal transportation with electric VTOL aircraft.

o   Designed and Developed the Flight Data Recorder and Cloud Telemetry pipeline.
o   Developed the primary collection of Python library and tools for batch and real-time telemetry processing of all primary design components of the Joby Electric aircraft.

Imprivata	*Sr. Software Engineer*	Santa Cruz, CA	Feb.	2016-	Apr.	2017

Founded in 2002 to enable healthcare to access, communicate, and transact patient information, securely and conveniently.

o   Developed the next generation platform of secure messaging for healthcare professionals. Contributed to Scala server, Python cloud, and docker service technologies.

IO Datacenters	*Sr. Software Engineer*	Santa Cruz, CA	Oct.	2014-	Sep.	2015

Founded in 2007 to provide "data center as a service" to businesses and governments around the world. Iron Mountain acquired IO for $1.3 Billion in 2017.

o   Developed on all components of IO's future OpenStack Cloud product using SaltStack/Python.

RiverMeadow	*Sr. Software Engineer*	San Jose, CA	Oct.	2013-	Oct.	2014

Founded in 2009 to provide a cloud migration SaaS that automates the migration of Linux and Windows servers into multiple target cloud environments.

o   Developed on all components of RiverMeadow's Python cloud migration SaaS platform. Lead of the Linux development team.

Jstor	*Software Developer*	Ann Arbor, MI	Sep.	2008-	Dec.	2011

Founded in 1995, JSTOR digitized and provides full text searches of more than 2,600 journals.

o   Developed Python API for "Journal archive metrics and information extraction", with over 100 demonstrating tools and utilities used by many folks in many different business applications.

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General Motors *Software Developer* Detroit, MI Oct. 2005- Sep. 2008

GM is an American multinational corporation headquartered in Detroit, Michigan, that designs, manufactures, markets, and distributes vehicles and vehicle parts and sells financial services.

- o Developed static analysis, network scanners, and identity management tools.
- o Developed a Finite Element Analysis (FEA) toolset for bolt placement on vehicles for Dassault's Abaqus/CAE.

Open Source Contributor 2008- Now

I author, maintain, or co-maintain several open source projects. My open source work reflects my standard of code quality and community rapport. All projects use modern CI and testing techniques.

- o wcwidth, #52, over 4,000,000+ downloads/week, sole author and maintainer.
- o pexpect, #92, over 7,000,000+ downloads/week, co-maintainer (semi-retired).
- o blessed, #1095, over 64,000+ downloads/week, author. Ned Batchelder, author of coverage.py said, "I'm delighted to continue to find little gems like blessed [...] They demonstrate the craftsmanship that Python developers bring to their work, and a dedication to making tools that help others."
- o xmodem, 2,000+ downloads/week, co-maintain.
- o telnetlib3, 200+ downloads/week, author. Guido Von Rossum, author of the Python language said, "Wow. Jaw-dropping wow. Definitely belongs on PyPI!", in regards to the completeness of the specification.
- o I have also made a number of contributions to well-known open source projects such as Python's standard **asyncio** module, asteroid, blessings, box-cutter, ec2-api-tools-rpm, homebrew, **fastavro**, github3.py, openbsd, packer, **paramiko**, pip-accel, prospector, pyformat.info, pyinstaller, **pylint**, pytest-cov, **saltstack**, sh, sqlitedict, **vagrant**, x84, and others.