

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.

- Designed and Developed the Flight Data Recorder and Cloud Telemetry pipeline.
- 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.

- 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.

- 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.

- 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.

- 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.



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.

- Developed static analysis, network scanners, and identity management tools.
- 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.

- [wcwidth](#), [#52](#), over [4,000,000+](#) downloads/week, sole author and maintainer.
- [pexpect](#), [#92](#), over [7,000,000+](#) downloads/week, co-maintainer (semi-retired).
- [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."
- [xmodem](#), [2,000+](#) downloads/week, co-maintain.
- [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.
- 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, sqldict, **vagrant**, x84, and others.