Naomi R. Ceder

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Performance Profile

Leader with "make it work" attitude and experience with web applications, cloud infrastructure, and ever growing datasets in a rapidly growing startup. Experienced in building developer teams. Active in the open source community and able to combine and build upon open source software to create new solutions. Seasoned Linux administrator used to delivering high uptime and multiple services with minimal resources. Modern languages: proficient in Spanish, intermediate Portuguese, basic/intermediate German and Modern Greek, beginning knowledge of Japanese.

Core Competencies

Python expert • Skilled certified Linux system administrator • Determined and enthusiastic problem solver • Quick and voracious learner • Experienced manager • Successful teacher and trainer • Excellent and lively communicator, speaker and writer • Team player, easy to get along with • Advocate for Diversity/Inclusion.

Technical Competencies

Programming languages	Python, shell scripting, JavaScript
Web applications	django, tornado, flask, Cherrypy, Zope/Plone
Databases	MySQL, PostgreSQL, Redis, MongoDB, SQLite
Cloud & Virtualization	AWS services (EC2, S3, etc), Azure, VMWare server, VirtualBox
Linux system administration	DNS, DHCP, Samba/CIFS/LDAP, SSH, scripting, Linux Professional Institute LPIC 2, Novell CLA, Linux+, Debian, Ubuntu, Gentoo, DSL, CentOS
Netsuite	Netsuite administration and scripting (Javascript based)

Professional Experience

Open Source Development Manager   **Blick Art Supplies, Chicago**   **2016 – Present**

- **Competitive Intelligence team lead –** managed team responsible for using open source tools to gather and enrich competitive intelligence. Lead move to service architecture, increased numbers of products monitored by 10% in 6 months.
- **Play key role in architecture**. Lead company wide move to exploit cloud technologies for quicker deployment and more cost effective use of computing power; lead development of new pricing services.
- **Provide leadership and training for developers –** lead in screening and interviewing developer candidates, manage contract developers, instituted Kanban methodology, increased productivity and improved speed of delivery. Moved team from being late to finishing projects on time.
- **Scripting and development** - advise in selection of technologies, develop Python code for ad hoc data needs, testing, proof of concept.

Corporate Trainer   **(self-employed)**   **2017 – Present**

- Create and present customized Python training sessions covering a range of Python topics. Clients include Fortune 100 companies.

Advisor   **NSF Funded Project, Data Driven Learning**   **2018 – present**

- **Advisor –** advisor to a 5 year NSF funded project pursuing the development of passion-driven curriculum to introduce marginalized students to data science. Project lead by Prof Lisa Dierker of Wesleyan University.

Author   **Manning Publications**   **2009 – 2010, 2016-2018**

- *Quick Python Book, 2nd ed* (2010, http://www.manning.com/ceder) and *Quick Python Book, 3rd ed* (2018, https://www.manning.com/books/the-quick-python-book-third-edition). Complete revision of first edition (written for Python 1.5), updating to Python 3.x, getting strong reviews as a fast, no nonsense survey of Python for professional developers new to Python. Third edition is major update, with exercises and material updated for Python 3.6

Senior Manager/Business Systems Lead   Gamut Supply (W.W. Grainger), Chicago   2015 – 2016

- **Design and Implementation of E-Commerce infrastructure –** key player in ERP system (Netsuite) configuration and implementation, including scripting and interfacing, and web store implementation.
- **Play key role in architecting data flow** from end to end, including processing product data feed and interacting with web based services and interfacing between Netsuite and parent company's supply chain and warehouse management systems..
- **Provide leadership and training for developers –** lead in screening and interviewing developer candidates, manage contract developers.
- **Scripting and development** - advise in selection of technologies, develop Python/Javascript code for ad hoc data needs, testing, proof of concept.

Systems Architect/Lead Developer   RazorOccam (W.W.Grainger), London, UK   2014 – 2015

- **Design and Implementation of E-Commerce infrastructure –** key player in creation of international ecommerce site, leader in Netsuite configuration and implementation, including scripting and interfacing, web store implementation, adaptation, and translation, and coordination between US, UK, Japanese, and German portions of the business.
- **Provide leadership and training to developers – s**creening and interviewing developer candidates, providing orientation and training to new hires, and lead in setting development goals and strategies, direct management of small development team. Scrum product owner and direct manager of developer team.
- **Play key role in architecting data flow** from end to end, including processing product data feed and interacting with web based services and interfacing between Netsuite and several suppliers.
- **Manage cloud infrastructure –** lead role in creating and configuring AWS-based server infrastructure, developing monitoring, backup, fail-over, and scaling procedures for IaaS cloud based server infrastructure.

IT Director/Lead Developer   Zoro Tools (W.W.Grainger), Buffalo Grove, Illinois   2011 – 2014

- **Single-handedly supported site launch –** as the only developer on staff for a 200,000+ item e-commerce site's successful launch, I supported all phases of go-live, including managing/cleaning/editing 1,000,000+ item daily data feed, creating/editing automated processes, provisioning servers (AWS), troubleshooting, modifications to web back end and UI, managing interfaces with Netsuite back end. Coordinated with Japanese sister company's developers to take over development, adaptation and maintenance of web applications.
- **Provide leadership and training to other developers – s**creening and interviewing developer candidates, providing orientation and training to new hires, and lead in setting development goals

and strategies, direct management of team of 7.

- **Play key role in architecting data flow** from end to end, including processing product data feed and interacting with web based services from parent company (W. W. Grainger) and interfacing with Netsuite and various external services.
- **Manage cloud infrastructure** – lead role in developing monitoring, backup, fail-over, and scaling procedures for IaaS cloud based server infrastructure.
- **Planning for continued growth and expansion** – as company continues to grow 15+% month over month, plan for increasing head count and managing services to support accelerated growth.

Python & Java Instructor   Gifted Learning Links, Northwestern University   2010 – 2011

- **Taught Python & Java on-line courses**. Delivered on-line instruction in Python as part of Northwestern's Gifted Learning Links program.
- **Developed curriculum** for on-line Python and Java programming courses.

Director of Technology   Canterbury School, Fort Wayne, Indiana   1995 – 2011

- **Designed and implemented applications** for student information/on-line classroom using Python, Zope, MySQL, django, Cherrypy (2002-present). Developed applications used in all aspects of school management, with annual savings of thousands of dollars in software licensing fees.
- **Managed multiple Linux and Windows servers** providing file, print, authentication, web, MySQL and backup services for over 1000 users (2000-2010). Use of Linux, virtualization (VMWare Server) and open source products saved thousands of dollars and gave tech department flexibility to meet needs quickly.
- **Managed technology for 1000 users** in mixed Windows, Mac, and Linux environment including purchasing, deployment and maintenance of technology resources with $175,000 annual budget, and managing tech support staff. Consistently under budget while delivering more capabilities than planned and supporting ever increasing demands (1996-2011).
- **Taught Python, Java, C** and other courses (1995-2010). Students consistently scored well on standardized (AP) exams and reported being ahead of their peers in college.
- **Developed programming curriculum** for C and Python(2001-2010), which has been influential nationally, and created Advanced Technology Certificate program (2010).
- **Chair of Computer Science Department**, member and **chair of Faculty Curriculum Review Committee**

Independent Consultant   2000 – 2013

- **Supplied web hosting and maintenance** to small businesses and organizations (2001-Present). Used Python scripts to automate backup and static page generation to provide basic brochure web sites (with backup and updates) at a competitive rate for small organizations.
- **Presented tutorials** on Linux system administration, using Python in Linux, and Python programming at regional conferences (2006-present). Students consistently gave positive reviews of both quality of content and effectiveness of presentation.

Open Source Development   2005 – Present

- **Led community effort to submit patches** to Python 2.5 standard library's turtle.py module (2006), increasing usability for teaching. Contributed patches and managed submission.

- **Open source projects** – started port of Cherrypy to Python 3 at PyCon 2009 code sprints, wrote source code collector/tester for book authors (https://bitbucket.org/vceder/doctester/wiki/Home), front end for Python turtle library for students (https://bitbucket.org/vceder/turtlelab/wiki/Home).

Latin Teacher   **Canterbury School, Fort Wayne, Indiana**   **1988 – 1995**
- Taught Latin, grades 7 - 12 and Advanced Placement, Classical Civilization.
- Director of high school community service program.

Director of Classical Civilization   **Campion School, Athens, Greece**   **1986 – 1988**
- Taught sixth form Humanities courses, A-Level Classical Civilization ,O level Ancient History, GCSE Classical Civilization.

Instructor, Classics   **Southeastern College, Kifissia, Greece**   **1987**
- Designed and Taught Classical Mythology course. Created curriculum and taught semester long course in classical Mythology.

Latin Teacher   **Greenhill School**   **1984 - 1986**
- Taught Latin, grades 9-12 and Advanced Placement.
- Advanced Placement co-ordinator.
- Director of Upper School Community Service.

Education
- PhD, Classical Languages and Literature, University of Wisconsin, Madison, WI 1984.
- BA, Latin & Greek, Summa Cum Laude, University of Nebraska, Lincoln, NE, 1978.

Community Involvement
- Python Software Foundation, Board of Directors: Chair 2017-2020, Vice-Chair 2015-2017; elected Fellow, March 2011.
- PyCon Organizers committee - Chair of Hatchery Program, 2019-2020; Co-chair of PyCon Charlas, Talk track in Spanish, 2018-2020; Co-chair of Sprints, 2015, 2016; Organizer of PyCon Education Summit, 2013, 2014; chair for poster sessions at PyCon, 2010- 2012.
- Mentor, Bridge Program, Paideia Institute for Humanistic Study - 2019-2020.
- Trans*Code, a hackday for the trans* community, Co-founder, Organizer, London, March 2015, April 2016, PyCon UK, Coventry, UK, Sept 2015, Chicago, IL, Dec 10 2016.
- PyCon UK Organising committee - originated poster session at PyCon UK, Coventry, UK, Sept 2015.
- Advisory Board of TransTech Social Enterprises, 2014-2015.
- Chicago Python Workshops, Co-organizer and instructor, 2012-2013.
- Trans*H4ck (transhack.og) hackathon for trans issues, volunteer/mentor at Oakland, CA Sept 2013 and Chicago, IL March 28-30 2014.
- Fort Wayne Linux Users Group, 2003-2011. Co-founder and principal organizer.

Podcasts and Streams
“Exploring Python”, streams exploring/explaining Python fundamentals, https://www.twitch.tv/nceder, archived at https://bit.ly/exploring-ceder, April - June, 2020

Podcasts (links on request) – Podcast.__init__, WITTY Podcast, From the Source, Women in Tech with Ariana, Profitable Python Podcast, Greater than Code, Developmentor, Espacios Abiertos, Libre

Lounge, with episodes released 2019-2020

Radio - KBOO, Portland, OR, June 07, 2016

Tutorials and Presentations

"Objects All the Way Down", PyLadies Munich (remote), Munich, Germany, Aug 27, 2020

"Python Software Foundation y su misión", PyMX (in Spanish, remote), CDMX, México, Aug 25, 2020

"Iteration Inside Out", Magenta Codes (remote), Stockholm, Sweden, July 29, 2020

"La Limpieza de Datos con Python" (in Spanish, remote), Python Panamá, Panamá City, Panamá, July 28, 2020

"Staying for the Community: Building Community in the face of Covid-19", Keynote (remote), Europython, July 23, 2020

"It really is easier to ask forgiveness (than permission), Manning Publications, Python Twitch Conference (remote), July 14, 2020

"PyLadies Guatemala City" (in Spanish, remote), Guatemala City, Guatemala, June 22, 2020 (pending)

"Tips for Data Wrangling" (in Spanish, remote), Guadalajara, MX, May 27, 2020

"La Limpieza de Datos con Python" (in Spanish, remote), Data Science Research Perú, Lima, Perú, May 20, 2020

"Building community and the impact of COVID-19 on the PSF/PyCon" (remote), PyAmsterdam, Amsterdam, NL, March 25, 2020

"Python - el lenguaje, la comunidad y el futuro" (in Spanish, remote), PyLadies Arequipa, Arequipa, PERU, Jan 03, 2020

"What is this Joy?", Keynote at PromptConf, Chicago, IL, USA, Sept 28, 2019

"En verdad es más fácil pedir perdón que permiso" (in Spanish), PyCon LatAm, Puerto Vallarta, MX, Aug 30, 2019

"Level Up Your Python" (Masterclass), Goto Chicago, Chicago, IL, USA, Apr 28, 2019

"It Really is Easier to Ask Forgiveness (than Permission)", Goto Chicago, Chicago, IL, USA, Apr 30, 2019

"Innovation and Community", Python Pizza Berlin, Berlin, Germany, Feb 23, 2019

"Iteración - la historia secreta" (in Spanish), PyLadies Madrid, Madrid, ES, Feb 20, 2019

"Iteración - la historia secreta", Keynote at PythonDay México, Guadalajara, MX, Dec 1, 2018

"Iteration inside out", Talk at Europython 2018, Edinburgh, UK, July 26, 2018.

"What lies ahead? Confessions of a dubious futurist", Keynote at PyLondinium, London, UK, June 9, 2018.

"Break the Narrative", invited speaker at La Journée de la Femme Digital 2018, Paris, France, Apr 17, 2018

"Obstáculos Para La Inclusión", Keynote at PyCon Colombia, Medellín, Colombia, Feb 10, 2018.

"Come for the Language, Stay for the Community", Keynote at PyCon ES, Cáceres, Spain, Sept 23, 2017.

"Não é você, são eles", Keynote at PyLadies São Paulo 2nd Anniversary Conference. (presented via video conference), September 7, 2017.

"What is the GIL? And why does everyone want to kill it?", Invited talk at Python Day Mexico, Mexico D.F. (presented via video conference), June 10, 2017.

"What lies ahead? Python's future strengths and challenges", Keynote at PyCon CZ, Prague, Czech Republic, June 9, 2017.

"Obstáculos para inclução", Keynote at Python Brasil [12], Florianópolis, SC, Brazil, October 14, 2016.

"Come for the Language, Stay for the Community", Keynote at EuroPython, Bilbao, Spain, July 21, 2016, Keynote at PyCon Ireland, Dublin, Ireland, Oct 24, 2015.

"It's not you, it's them: Reflections on being marginalized in STEM", Keynote at Write/Speak/Code, Chicago, IL, June 16, 2016.

"Anti-Patterns for Diversity", Keynote at PyCon Poland, Ossa, Poland, Oct 17, 2015, keynote at ACE!Conf, Krakow, Poland, Apr 14, 2016, talk at PyCon, Portland, OR, June 1, 2016 and EuroPython, Bilbao, Spain, July 23, 2015.

"Confessions of a True Impostor (a survival guide)", Keynote at PyCon UK, Coventry, UK, Sept 20, 2015.

"Dr. Jython: or How I Learned to Stop Worrying and Love the JVM", PyCon UK, Coventry, UK, September 20, 2014.

"Intro to OOP" (teacher track session, co-presenter with N. Tollervey), PyCon UK, Coventry, UK, September 20, 2014.

"A Walking Tour of Python" (3 hour tutorial), PyLadies London, London, UK, August 16, 2014.

"Farewell and Welcome Home: Python in Two Genders", Flourish!, Chicago, IL, April 12, 2013; Indiana Linux Fest, Indianapolis, IN July 27, 2013; Software Freedom Day, Sept 21, 2013; PyCon, Montreal, Quebec, April 13, 2014; EuroPython, Berlin, Germany, July 24, 2014; PyCon UK, Coventry, UK, September 19, 2014.

"Scaling Community Diversity Outreach" (panel), PyCon 2013, Santa Clara, CA, March 16, 2013.

"bash scripting", CLC Linux Club at College or Lake County, Grayslake, IL, Nov 2, 2012.

"Using Django", tutorial presented for CLC Linux Club at College or Lake County, Grayslake, IL, April 28, 2012.

"Introduction to Python", tutorial presented for CLC Linux Club at College or Lake County, Grayslake, IL, Oct 29, 2011.

"Python for Linux System Administrators" day long tutorial, Indiana Linux Fest, Indianapolis, IN, April 13, 2012 and Ohio Linux Fest, Columbus, OH, Sept. 9, 2011 & Sept. 10, 2010 (also 1 hour presentation at Ohio Linux Fest, Columbus, OH, Sept. 26, 2009).

"Python and Robots: Teaching Programming in High School", PyCon, Atlanta, GA, March 12, 2011 and ISTE, Philadelphia, June 27, 2011.

"Hitchhikers Guide to Linux System Administration" day long tutorial, Hoosier Educational Computer Coordinators Conference, Indianapolis, IN, November 18, 2010.

"Python TNG: Whats New in Python 3", IndyPy Meetup, Indianapolis, IN, June 24, 2010.

"Introduction to Linux Shell Scripting", Hoosier Educational Computer Coordinators Conference, Indianapolis, IN, November 14, 2008 and November 13, 2009.

"Computer Programming for Everybody: An Introduction to Python", NECC, San Diego, CA, July 7, 2006, June 26, 2007, July 2, 2008 and (with Jeff Elkner) June 29, 2009 http://tech.canterburyschool.org/tech/TeachingPython.

"Computer Programming for Everybody: An Introduction to Python", half-day and full-day tutorials, Indiana Computer Educators Conference, Indianapolis, IN, January 26, 2006, January 25, 2007, and January 24, 2008 http://tech.canterburyschool.org/tech/ICE.

"Goodbye, Hello World: Rethinking Teaching with Python", PyCon 2007, Dallas, TX, February 23, 2007 http://tech.canterburyschool.org/tech/PyCon_2007.

"Teaching Python: Anecdotes from the Field", PyCon 2006, Dallas, TX, February 27, 2006 http://tech.canterburyschool.org/tech/PyCon_2006.

"Developing On-line Classroom Tools with Zope" (with Nathan Yergler), PyCon 2004, Washington, DC, March 25, 2004 http://www.python.org/pycon/dc2004/papers/10/.

"Teaching Programming with Python and PyGame" (with Nathan Yergler), PyCon 2003, Washington, DC, March 27, 2003 http://tech.canterburyschool.org/tech/PyCon_2003.