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Objective

To follow Linode as it scales with Akamai, and reframe how I think about software development and system architecture as we work toward an essentially new paradigm. I'm sure this will include not only technical approaches and new software tools, but also different design principles for high availability, monitoring, and performance. I would also like to teach Akamai about Linode as we go.

Technologies

- Proficient – Python, pip, MySQL, Linux, ceph, git, ColdFusion, bash, Perl, Matlab
- Learning – Docker, Salt, Kubernetes, Lua, Redis
- Familiar – JavaScript, HTML, CSS, Java, C, C++

Employment

- 2019/02 – current **Software Engineer II (Storage)**; Linode/Akamai; Philadelphia, PA
Learned how to administrate ceph, as well as some of the inner working of its object storage and block storage gateways.
- 2018/02 – 2019/02 **Developer (Sprinkler)**; Linode; Haddonfield, NJ
Learned the ins and outs of most of Linode's projects and a good bit of its infrastructure. Became proficient in ColdFusion and familiar with perl.
- 2017/03 – 2018/02 **Customer Support Specialist**; Linode; Haddonfield, NJ
Answered customer questions and frequently went above and beyond to diagnose and troubleshoot configuration, performance, and network issues. Created a number of scripts on bits.linode.com to make Support's lives easier.
- 2014/06 – 2014/08 **Research Assistant**; Rowan University; Glassboro, NJ
2011/04 – 2013/08 **Crew Member**; McDonald's; Clinton, NJ

Education – Rowan University, Glassboro, NJ

- 2015/05 to 2016/01 **Graduate work in Electrical and Computer Engineering** (incomplete)
GPA: 3.90 / 4.00 Research Focused on Machine Learning and Concept Drift in Matlab
- 2011/09 to 2015/05 **BS in Electrical and Computer Engineering** (Summa Cum Laude)
GPA: 3.89 / 4.00 Minor in Computer Science, Concentration in Honors

Coding Projects

- `sibyl` (github/python) – An extensible chat bot originally intended for use with XBMC/Kodi
- `jah_scripts` (bits.linode.com/python) – Statistics and graphing utilities
- `Learning Series: Python` (bits.linode.com/python) – Introducing non-coders to python

Publications

- J. Sarnelle et al., “Quantifying the limited and gradual concept drift assumption,” *Int. Joint Conf. on Neural Netw.*, pp. 1-8, Jul. 2015.