

Daniel Sean Pono Takamori

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My career interests are in providing open alternatives for infrastructure to FOSS projects, increasing diversity and inclusivity efforts for low income and minority groups, applying mathematical models to **webscale** problems and encouraging the replacement of closed scientific code with projects like Julia and SageMath.

Softwares Managed: GNU/Linux, FreeBSD, (**git**, **svn**, **Gerrit**, darcs), (httpd, nginx, HAProxy, varnish), (rsyslog, Elasticsearch, kibana, fluentd), Nagios, (Chef, CFEngine, Puppet, Terraform), (qemu, libvirt, Ganeti, OpenStack, Proxmox, docker), Nexus, Artifactory, (**Jenkins**, **Azure Pipelines**)

Speaking: Green Computing: Environmental and Insectional Impacts of Computing, Donating to FOSS Infrastructure (SCaLE 2017), Intro to Crypto (DevOps Bootcamp), and Group Theory for Programmers

Miscellaneous: Engineering evaluations of sinks, **Apache member**, 4 kyu Go and avid Starcraft player

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The Linux Foundation

Release Engineer

Feb 2019 - Current

- Infrastructure Working Group lead for Tungsten Fabric
- CI Transformation work to develop new CI support for LF projects
- Development of Go Lang API for self service API for CI management
- Worked with Tungsten Fabric and Zowe TSCs to support community driven CI/CD
- Managed CI/CD Pipelines for testing and releases for Linux Foundation Networking projects

The Apache Software Foundation

*Cloud Custodian, DevOps Engineer/ **SRE** and Community Member*

Oct 2015 - Oct 2018

- Migration of legacy VMWare into (Cloudstack, AWS, \$cloudprovider) + Ubuntu + Puppet
- Transition Buildbot and Jenkins into Puppet; Docker for build dependence separation
- Respond to infrastructure needs in the Apache community of over 350 projects
- On call 24/7 once every 5 weeks, protector of SLAs and responder of night and weekend emergencies

Oregon State University Open Source Lab

Systems Administrator

2012-2015

- Project lead for IBM University Challenge, image build system for OpenStack images on OpenPower8
- Google Summer of Code Mentor for a Python REST API for interacting with IPMI
- In charge of Power 7+/ 8 systems, managing OpenStack and testing
- Management of cloud and physical infrastructure for Python Software Foundation, Apache Software Foundation, Debian, Gentoo, Gnome, OpenMRS, OpenStreetMap, phpBB, ROS, Xiph

\$ cat /var/lib/education/college

Oregon State University

One year left

BS in Mathematics and Physics

- Course Work: Real Analysis, Topology, Differential Geometry, **Abstract Algebra**, Quantum Mechanics, Computational Physics, Computational Number Theory, **Error Correcting Codes**, Systems of ODEs, **Mathematical Biology**
- Strong background in technical writing due to extensive proof writing and math modeling competition papers and presentations
- Implemented Diffie-Hellman over $\mathbb{Z}/p\mathbb{Z}$, wrote Fourier Transform for bitmaps as a compression mechanism, and modeled love triangles as a coupled ODE system