John Naulty Jr.
707.813.7202 · jnaulty@gmail.com · dendritictech.com

Professional Experience

Systems Security Engineer at BitGo, Palo Alto, CA   **2018-Present**
- Kubernetes Administrator (automation, monitoring, security)
- BugBounty Program Manager
- Site-Reliability Engineer Response Team (on-call)
- Infra-As-Code Practitioner
- Opensource evangelist
- Infrastructure and Security Intern Hiring Manager and Mentor

Sr. DevOps Engineer at Nuage Networks, Mountain View, CA   *2015-2018*
- Took role as Infrastructure AWS Administrator Lead, managing accounts and costs
- Took role as Infrastructure Storage Lead, managed Terabytes of data across various on-premise datacenters
- Migrated build infrastructure to docker for reduced build farm complexity and management
- Improved build frameworks across components for improved consistency and metrics (reduced build time, reduce chance of failure, etc)
- git-friendly, and took a role helping teach and share git-knowledge
- Experience repackaging and manipulating linux kernel and packages, especially RHEL + CentOS
- Focused role as a security engineer for auditing, tracking, and resolving security related issues in the product

Co-Founder of NeurotechX   *2014-Present*
- Co-founder of NeuroTechX meant convincing just enough people that building a group would be a good idea
- Cultivating a group of like-minded people interested in the intersection of neuroscience and technology
- Built various interfaces for various mobile EEG devices (and connecting them to things like Arduinos and 'the cloud')
- Created the awesome-bci list on github (I like awesome-lists and opensource)

Technician, Sages Computers, Fort Bragg, CA   *2014-2015*
- Setup wireless access networks for hotels and local companies
- Helped setup backups and redundant storage for various local companies and nonprofits
- Restored many computers from the clutches of malware, worms, rootkits, etc

Instructor for BROCA DeCal at UC Berkeley, Berkeley, CA   *2013-2014*
- Lead and facilitated the Berkeley Review of Cognitive Science Articles (BROCA) class
- Dissected peer-reviewed research on topics in AI, linguistics, psychology, neuroscience, and more with the authors whose papers we were reading

Opensource Experience

OpenEIT   **2018-Present**

OpenEIT is an opensource hardware device used for electrical impedance tomography (a type of bio-imaging device). It is relatively low-cost and can help diagnose health-related issues that would normally require an MRI (which is orders of magnitude more costly)

OpenBCI   **2014-Present**

OpenBCI was one of the early pioneering projects in opensource hardware for EEG. This device helped spark my interest in brain-computer interfaces and has helped me build a number of projects as well as helped me and others replicate a number of studies done with more expensive, proprietary devices.

Cloudbrain   **2014-2016**

Cloudbrain is a streaming, processing, and storage toolkit used for processing various datastreams. This was the core piece of technology behind the Exploratorium Exhibit held by the Cognitive Technology Group. The lead architect and engineer of this project is Marion LeBorgne. I helped contribute drivers for OpenBCI for this project as well as streaming visualizations of EEG data streams.

Education Summary
B.A., Cognitive Science at University of California, Berkeley   *2014*

Community Experience
Fort Bragg Wifi Project   *2014-2016*
  Addressed, planned, and implemented with the City of Fort Bragg free, public wifi access in the downtown area.
Cloudbrain   *2014-2016*
  Opensource data analytics and acquisition platform for aggregated biometric data.

Awards, Talks, and Exhibits
NeuroTechX Presentation at ITIE Academy, Bangalore   *2018*
NeuroTechX Presentation at Inria@Silicon Valley, UC Berkeley   *2017*
NeuroTechX OpenBCI Workshop, San Francisco   *2016*
Presentation on Cloudbrain at Cre8summit, Shenzhen   *2015*
Cognitive Technologies Exhibit at the Exploratorium, San Francisco   *2015*
BCAPI - Big Ideas Award, UC Berkeley   *2014*
Cognitive Technology Group presentation at UC Berkeley   *2014*

Skills
Build:	make, jenkins packer, drone
Code:	python, bash, go
Config:	puppet, ansible, cloud-init
Deploy:	aws, kubernetes, docker, terraform, helm
Secure:	vault, gpg
Store:	glusterfs, git, s3
Monitor:	prometheus, grafana