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# BRENDAN BYERS

SRE, SYSTEM ADMIN, SOFTWARE ENGINEERING

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(541) 979-6673

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## Experience

**Apptio** Technology Business Management Aug. 2019-Current  
Site Reliability Engineer I

- Administrator of global datacenter infrastructure, including hardware and software for virtualization and storage clusters
- Creation and management of cloud-based Global Transit Network for all service environments
- Performed migration of core services from datacenter to cloud, including customer authentication, DNS, and core networking
- Manage underlying infrastructure Kubernetes infrastructure for internal teams and customers

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**Kannact Inc.** Diabetes tracking and management solutions Aug. 2018-June 2019  
IT, Systems Administration and Consulting

- Worked to ensure secure patient health information following HIPAA guidelines.
- Design, implement and manage network design and security for local and remote offices.
- Contribute to software development of diabetes tracking application for Web, iOS and Android.
- Created system security plan and design.

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**Open Dental** Open Source Dental Practice Management Software Apr. 2017-Apr. 2019  
Software Engineering

- Program UI and logic for dental software, primarily using C# and MySQL.
- Designed and implemented user authentication code utilizing SHA3-512 and NIST security practices
- Created new customer-facing web page and backend logic for bug tracking and version release notes
- Created an XML/ASL web page for automated database documentation

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**Education** Computer Science, emphasis on security; Sep. 2014-Aug. 2019  
Oregon State University

- Capstone: Worked with Hewlett Packard and room-scale printer software stack, and proved viability of virtualizing existing software using containers and CI/CD
- Additionally, extensive coursework in History.
- Graduated in 2019

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## Skills

### Full Stack Engineering

Proven ability to architect and build full service stacks, including: core code, virtualization, automated testing/deployment, global availability, fault tolerance, networking, and SLO/SLI monitoring for the full lifetime of the service.

### Problem Solving

Able to quickly learn new topics and overcome obstacles to successfully solve issues at hand. Not afraid of unknown or unfamiliar languages. Able to analyze and troubleshoot issues to find solutions that are researched, cost-effective and realistic.

### Software Lifecycle Mgmt.

Skilled at shepherding projects through their lifecycle. Experienced at both starting projects from scratch and inheriting legacy code. Able to write clear, concise documentation that can easily be actioned on.

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## Technical

Networking, Compute, Storage	Cisco, BigIP, Fortinet	Ansible, Puppet, Terraform
Datacenter Administration/Smartsands	DC/Cloud Networking	Docker, Docker-compose, Kubernetes
AWS, Azure, Digital Ocean, Linode	Security/Cryptography Primitives	Apache, Nginx, IIS
CI/CD: Github, Gitlab, Jenkins, Artifactory	IPAM, DNS, TLS	Splunk, Datadog, Grafana
Jira, Git, GitOps, Subversion	Load Balancing, Autoscaling	Systems: Unix, Windows, WSL

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## Language Experience

Python, Julia, Perl, Shell	PHP, Ruby, SQL	C#, ASP.Net
C, C++, Lua, Golang	HTML, CSS, JS	Yaml, Json, Jsonnet