

## Shaun Michael Verch

<https://github.com/sverch>  
resume@shaunverch.com

<b>Work Experience</b>	<b>SRE Consultant, Oso HQ</b> February 2022 - June 2022 <ul style="list-style-type: none"><li>Supported initial launch of Oso Cloud, authorization as a service</li></ul>
	<b>Site Reliability Engineer, U.S. Digital Service</b> December 2020 - February 2022 <ul style="list-style-type: none"><li>Collected healthcare interoperability research in preparation for transition</li><li>Helped orchestrate quiet vaccines.gov covid-19 vaccine search tool launch</li></ul>
	<b>Site Reliability Engineer, PlanetScale</b> January 2019 - November 2020 <ul style="list-style-type: none"><li>Automated deployment of Kubernetes, supporting infrastructure on AWS, GCP</li><li>Built monitoring stack and trained team in incident response</li><li>Defined production readiness, ensured clear product status communication</li></ul>
	<b>Creator, Cloudless</b> July 2018 - November 2020 <ul style="list-style-type: none"><li>Created Cloudless, a prototype for low level cloud portable deployment</li><li>Deployed <a href="https://shaunverch.com">https://shaunverch.com</a>, <a href="https://getcloudless.com">https://getcloudless.com</a> using Cloudless</li></ul>
	<b>Site Reliability Engineer, U.S. Digital Service</b> July 2016 - July 2018 <ul style="list-style-type: none"><li>Launched login.gov on AWS, Terraform, and Chef, now supporting 5 million users</li><li>Supported quiet launch of qpp.cms.gov across 6 remote DevOps teams</li></ul>
	<b>Site Reliability Engineer, URX</b> August 2014 - April 2016 <ul style="list-style-type: none"><li>Designed and implemented a fully replicated multi-master datacenter setup</li><li>Managed 5+ engineers and 30+ services in zero downtime datacenter upgrade</li><li>Created lock free high performance persistent crawler queue</li></ul>
	<b>Database Systems Engineer, MongoDB</b> August 2012 - June 2014 <ul style="list-style-type: none"><li>Core maintainer, wrote "willitlink" to fix massive dependency problems</li></ul>
	<b>Storage Engineering Intern, NetApp</b> June-August 2011, 2012 <ul style="list-style-type: none"><li>Wrote automation and enhanced SCSI support for NetApp disk arrays</li></ul>
<b>Education</b>	B.S. in Mathematics / Computer Science - Brown University, Providence, RI M.Sc. in Computer Science - Brown University, Providence, RI
<b>Teaching Experience</b>	<u>Conference Talks:</u> OSCON, MongoDB Days, Scale 11x, NoSQL Now <u>Online Class:</u> M101JS: MongoDB for Node.js developers <u>Teaching Assistant:</u> Operating Systems, Computing, Multivariable Calculus
<b>Software Experience</b>	<u>Languages:</u> C, C++, Intel x86 assembly, MIPS assembly, Bash, Perl, Python, Ruby, Java, Scala, Golang, Rust, Javascript, PHP <u>Operating Systems:</u> Linux, FreeBSD, MacOS <u>Datstores:</u> MySQL, Vitess, MongoDB, Kafka, Elasticsearch, HBase, HDFS, Ceph, Zookeeper <u>Data Processing:</u> Hadoop Mapreduce, Apache Spark <u>Operations:</u> AWS, GCP, Ansible, OpenVPN, Wireguard, Bind DNS, LDAP, sssd, Apache Mesos, Jenkins CI, Chef, Terraform, Kubernetes