

# Yuri Kunde Schlesner

*Software Engineer*

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she/her

## Experience

- 2019–2020 **Site Reliability Engineer**, *Internet Security Research Group*, USA (Remote).  
Operated and maintained the infrastructure for Let's Encrypt, the world's largest Certificate Authority, issuing over a million TLS certificates a day. Participated in on-call incident response and remediation, and made improvements to alerting and logging. Migrated our internal configuration management codebase to modern versions of Python and Salt. Productionized new system components to ensure their reliable operation.
- 2015–2019 **Software Engineer, Site Reliability Engineering**, *Google*, Seattle, WA, USA.  
Advised product teams on their system architecture in order to improve reliability and performance of their services. Architected and implemented performance and reliability improvements in complex systems with many moving parts. Troubleshooted and documented production incidents on several internal-facing systems while on-call, and coordinated incident response and resolution. Worked proactively to reduce technical debt and maintain code quality through hands-on work, code reviews and education.
- 2014–2015 **Software Engineer Contractor**, *digEcor*, Springville, UT, USA (Remote).  
Maintained a Python Twisted server application for controlling a distributed in-flight entertainment system. Also maintained Linux deployment and configuration scripts for said system, using shell and Ansible.
- 2011–2013 **Software Developer**, *Imgnation Studios*, Santa Maria, RS, Brazil.  
Worked on diverse aspects of a Unity/C# mobile action game.

## Personal projects

- 2014–2017 **Citra**, <https://citra-emu.org/>.  
Core team member of an open-source portable console emulator, requiring the reverse engineering of software (OS kernel and services) and hardware interfaces, and re-implementation in C++ code.

## Education

- 2009–2014 **BSc in Computer Science**, *Federal University of Santa Maria*, Santa Maria, RS, Brazil.
- 2012–2013 **Computer Science**, *Loyola University Chicago*, Chicago, IL, GPA 3.9.  
One-year exchange program sponsored by the Brazilian government.

## Skills

C++, Java and Rust expertise. Python, C# and other languages. Git, Mercurial, Gerrit and code reviews. Blaze/Bazel, CMake. Protobuf, Stubby/gRPC, Borg/Kubernetes and Guice. Development and productionization (observability, reliability and performance) of service-oriented systems. Debugging and troubleshooting of multi-layered systems. Automated unit/integration testing, build and deployment. Low-level system internals, optimization and reverse engineering.