Josh Robson Chase

Education

2010–2014 **Bachelor of Science, Master of Engineering**, *University of Louisville*.
Computer Engineering and Computer Science

Experience

2018–Present **Senior Software Engineer**, Imperva Inc., Remote.
- Continued development of Rust libraries for security analysis
- Worked with other engineers on designs and specifications for the next generation of security plugins

2015–2018 **Software Engineer**, Prevoty Inc., Remote, Acquired by Imperva.
- Developed HTTP routing and middleware framework in Go
- Developed JNI bindings for Rust (https://github.com/jni-rs/jni-rs)
- Developed a Rust library to analyze SQL statements for signs of SQL Injection attacks
- Developed a Rust library for the purpose of unifying Java and C# implementations via FFI
- Built and managed Docker-based build and deployment pipeline

2011–2014 **Network Administrator / Tier Support**, University of Louisville, CECS Dept.
- Maintained university research network – Linux servers and Cisco networking
- Designed, implemented, and managed an IaaS cloud for the research network

2012–2013, Three Semesters **ITEP Intern**, GE Home and Business Solutions, Louisville, KY.
- Built automated solution for the installation of Oracle applications in the on-demand cloud using Puppet
- Converted entire campus to the Cisco Lighweight wireless sytem

Skills

Languages Rust, Go, C, C++, Java, Python, Haskell, Ruby, Lisp (Common and Scheme), Javascript, Typescript, Bash

Automation GitLab-CI, Travis-CI, Jenkins, Amazon Web Services (S3, RDS, ECS), Chef, Puppet, Ansible

Developent Tools Git, GitHub, GitLab, Gerrit, Docker, Vagrant, Make, CMake

Projects and Contributions

JNI-rs Rust crate to support the Java Native Interface (JNI), allowing easier FFI from Java to Rust https://github.com/jni-rs/jni-rs

Polymer-kb Modular split keyboard. PCB designed in KiCAD, firmware written in Rust for STM32F1. Work in Progress. https://gitlab.com/polymer-kb

Open Source Contributions
- Rust Language Server (https://github.com/rust-lang/rls)
- Rustfmt (https://github.com/rust-lang/rustfmt)
- Failure (https://github.com/rust-lang-nursery/failure)
- HTML5Ever (https://github.com/servo/html5ever)
- CBindgen (https://github.com/eqrion/cbindgen)
- VSCode-RLS (https://github.com/rust-lang/vscode-rls)
- Antlr4 (https://github.com/antlr/antlr4)

104 Hurst Lane, Apartment 309 – Charlottesville, VA 22903
(502) 209-9704 • josh@robsonchase.com • https://josh.robsonchase.com