Jules Tamagnan

☎ (203) 397-6305
✉ jtamagnan@gmail.com
🛈 jtamagnan.com

509 Colusa Avenue
El Cerrito, California, 94530

WORK EXPERIENCE

Delphix - Senior Staff Engineer *May 2023 - May 2024*

- Led development of a full CI/CD solution for Delphix's first Azure offering. Using Kubernetes, Terraform, Terragrunt, Jenkins, and Python.
- Worked with Security and Engineering to ensure SOC and PCI compliance of product and CI/CD pipelines.

Delphix - Staff Engineer *October 2020 - May 2023*

- Led a large scale organizational transformation from self-hosted GitLab to enterprise GitHub.
- Collaborated with GitHub staff to coordinate a successful migration as well as the introduction of important features in their public offering.
- Laid groundwork for a large scale multi-repository transition to a new branching strategy allowing for quicker development and releases.

Delphix - Senior Member of Tech. Staff 2 *November 2019 - October 2020*

- Led and orchestrated a successful migration of a 500,000 line Python 2 codebase to Python 3.
- Identified a commonly used but under-maintained customer facing product and brought it to maintenance.
- Created tools to allow developers to quickly integrate changes across multiple branches and multiple repositories.
- Created a test orchestration layer for end to end testing, used daily by hundreds of engineers and for all end to end non-regression testing.
- Used Terraform and Ansible to provision servers for a myriad internal applications.

Delphix - Senior Member of Tech. Staff 1 *March 2018 - November 2019*

- Headed new Quality Assurance Tooling and Infrastructure team.
- Incepted internal release readiness and test case management system. Integrated it with our end to end test framework to ensure key stakeholders can track upcoming releases.
- Wrote integration for style checks, code formatters, and unit tests between our internal review tools and Jenkins.

Delphix - Member of Technical Staff *September 2016 - March 2018*

- Created internal GUI workflow testing framework and used it to automate tests of enterprise software.

Yale, CIDMA - Programmer Analyst *May 2015 - June 2016*

- Created models in C++ and Python to calculate disease incidence and vaccine efficacy.
- Ran cost effectiveness analysis to find the best disease containment strategy.
- Wrote interactive websites to display Model and Cost effectiveness results.

EDUCATION

Connecticut College May 2015
BA, Computer Science; *BA*, Mathematics

SKILLS

Languages: Python, Groovy, Java, C++, Elisp, Nix
Technologies and Concepts: NixOs, AWS, Terraform, Ansible, Jenkins, Git, Linux, AWS, GitHub administration, Terraform Cloud, Docker
Spoken Languages: English, French

PUBLICATIONS

- PhyInformR: phylogenetic experimental design and phylogenomic data exploration in R. BMC Evolutionary Biology.
- A Cost-Effectiveness Tool for Informing Policies on Zika Virus Control. PLOS Neglected Tropical Diseases.

PROJECTS

Open source work:

- Fix various bugs in core emacs and other projects in the Emacs/Elisp ecosystem.

Related hobby projects:

- 2D Puzzle game Snails and Sorcery
- Maintain a website for my parent's family buisness using Hugo and Netlify.