Joseph Silas Tippens

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https://silentsilas.com
https://github.com/Poeticode

Summary

Interactive Developer with a penchant for **performance**, **novelty**, and **security**. Obsessed with **human language** and the impact of emergent technologies on society.

Professional Experience

L2D *(formerly Level2d)*

Interactive Developer — **December 2013 – present**

Began an internship to learn modern front-end development, which evolved into a full-time position.

Developed several websites utlizing a wide-range of technologies, including modern build tools (Grunt / Gulp, Webpack, SCSS), Vue, Git, Foundation, and ThreeJS.

Experimented with visualizing realtime Kinect data in the browser, via NodeJS Websockets, LZMA compression, ThreeJS, and custom Python.

Implemented an API for a media player progressive web application using Elixir (Phoenix Framework) and AWS (S3, Cloudfront, RDS).

Developed several mixed reality experiences using the Unreal Engine and Unity3D, one of which is deployed to the Steam Store (Spare Teeth VR).

Most importantly, introduced several good-hygiene security habits at both the organizational and software levels.

Passion Projects

Silent Silas

https://github.com/Poeticode/silentsilas.com — **July 2018 – present**

A performant, static portfolio/blog site showcasing personal poetry and side-projects.

Generated with Hugo, which is then deployed to IPFS and a personal Apache server.

Written in HTML, SCSS, and ES6 Javascript, with various ThreeJS visualizations.

Gathers analytics via a self-hosted, GDPR-compliant FOSS service (Matamo).

Features a self-hosted, GDPR-compliant FOSS commenting system (Commento) for each post.

The Muse

https://chattymuse.com/ — **June 2018 – April 2019**

Led a weekly creative workshop geared towards writers and artists, where we promote lateral thinking with the goal of harnessing creativity from within oneself, and undo the popular idea that one's best work arises from escapism and substance abuse.

OuREM

not yet publicly available — **October 2018 – present**

A cross-platform mobile application that interfaces with the Oura Ring. It allows the user to quickly add an entry to their dream journal via text-to-speech technologies, and visualizes your past REM cycles with tag clouds of their accompanying dream entry.

Written in Dart via the Flutter framework.

Pr1vy

https://github.com/Poeticode/Privy — **February 2019 – present**

Began as a simple password generator, then became an open-source and cross-platform (Android / iOS) application to interactively show the math and magic behind password security, encrypted communications, and data integrity verification. Written in Vue and Typescript, designed with the Quasar framework, and deployed via Cordova.

Education

Covenant College, Lookout Mountain, Georgia

B.S of Computer Science with Cyber Security Concentration — **August 2011 – May 2015**

Skills / Keywords

Linux: CentOS, Ubuntu / Debian
Scripting: Bash, Python, Ruby
Backend: PHP (CraftCMS, Laravel, custom), Elixir (Phoenix), NodeJS (Express)
Frontend: HTML, CSS/SCSS, Javascript (ES6, Typescript, Vue, Webpack, ThreeJS), Dart (Flutter)
Databases: MySQL, PostgreSQL
Web Application servers/proxies: Apache, HAProxy, Nginx
Version control systems: Git
Misc: Amazon Web Services (S3, CloudFront, RDS), Docker, Ansible, Vagrant