Carrollton, Texas
(Will self-relocate)
469-531-4879
keith1015@gmail.com

Keith Armstrong

github.com/keitharm
linkedin.com/in/keitharm

Technical Skills

Strong: Javascript • Node.js • C/C++ • PHP • Git • Linux • Pen Testing • MySQL • Express • MongoDB • HTML/CSS
Experienced: Java • React • Angular • Swift • Socket.io • D3 • jQuery • TDD (Mocha/Chai/Sinon) • PostgreSQL • Redis

Projects

Sona | Back-end Developer and Server Administrator | github.com/sonavoice/sona
Virtual intelligence iOS app that provides interaction with 3rd party applications through voice commands
- Created an NPM package CLI tool for easy initialization and publishing of third-party extensions
- Deployed and configured a MEAN stack on an Ubuntu Digital Ocean droplet to host server
- Made convenient setup script for developers to easily download programming assets and contribute to the project
- Refactored Swift iOS project by organizing views into separate storyboards for improved readability

Random User Generator | Back-end Developer, Server Administrator, and PS Extension Developer | randomuser.me
Web service that provides developers with random user data for mockups and testing
- Designed RESTful API backend using Node.js / Express for generating and serving random data
- Leveraged the uifaces.com API for profile pictures to go along with the user data
- Deployed Ubuntu server using LEMP stack to handle numerous concurrent requests in a limited RAM environment
- Developed Photoshop Extension that allows easy insertion of profile pictures as layers into PS documents

Tweet Mapper | Full-Stack Developer | keitharm.me/projects/tweet
Interactive online web app that plots locations of tweets a user has made on Google Maps
- Implemented RESTful API and routing using Node.js / Express for data retrieval and navigation
- Integrated Twitter API and Google Maps API to fetch and plot tweet data
- Used jQuery for animating UI views and for querying the server API with AJAX calls

Picture Cipher | Full-Stack Developer | keitharm.me/projects/picturecipher
Cryptography web app tool that converts any text or binary file into a password-protected PNG mosaic
- Created app using LEMP stack that leverages ImageMagick to encode base64-enciphered data into a PNG
- Developed symmetric key algorithm that takes advantage of RNG seeding to encrypt data
- Designed layout of front end using Bootstrap to provide a clean and intuitive UI

Professional Experience

Parago, Inc. | Dallas, Texas | Quality Assurance Intern   2013
Developed incentives and rewards program website for client
- Discovered and helped fix website vulnerabilities that exposed and allowed edits to confidential user data
- Wrote user stories in Team Foundation Service describing workflows for developers to implement
- Designed standard (welcome, password reset, etc.) email templates for use with Umbraco CMS on client website

Education

Hack Reactor | *Advanced Software Engineering Immersive Program*   2015
University of North Texas | *Computer Science*   2012–2013, 2015
Texas A&M University | *Computer Science*   2013–2014

Personal

I'm a command line wizard who loves coding projects, gaming, and dogs (huskies are my favorite). I've recently taken an interest into photography and love taking astrophotography shots of the Milky Way.