Connor Tumbleson

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Education

Computer Science | College of Engineering - University of Arkansas   **August 2011 - December 2015**

· Bachelor of Science in Computer Science
· Focus on web development languages including PHP MVC frameworks and relational databases.
· Additional focus on security, reverse engineering and mobile operating system: Android.

Experience

Software Developer | Techcom Worldwide | De Soto, KS   **August 2011 – Present**

· Led development team, including implementation of new bug tracker and switch to GIT revision control.
· Developed multiple custom e-commerce based websites utilizing Stripe, PayPal and Authorize.net.
  · Including PayPal/Stripe subscriptions for handling recurring payments.
· Developed in PHP utilizing popular MVC frameworks CodeIgniter and Laravel for custom built website solutions.
  · Including frontend graphical frameworks Semantic-UI and Bootstrap.
· Server admin for Unix based systems, including managing and running cPanel software to host emails, websites and more.
· Optimizing Apache and MySQL for efficient loading on low resource systems.

Primary Maintainer | Apktool   **December 2011 - Present**

· Maintainer & Developer for open source tool: Apktool (1.5+ million downloads)
  · A tool for reverse engineering 3rd party, closed, binary Android applications.
  · Decode applications to nearly original form and rebuild them.
· Patching support for each new released Android version.
· Handling bug reports, designing site website, writing documentation and making official releases.

Freelance Developer   **January 2009 - December 2011**

· Designed themes for WordPress, Invision Power Board and Xenforo.
· Built PHP plugins for additional functionality for Invision Power Board, Xenforo and phpBB3.
· Optimization for WordPress blogs for self-hosted clients by tuning MySQL and opcode PHP caches.

Projects

· **iBotModz** – Founder of operated forum with 120,000+ posts and 25,000+ members.
  · Built for a community of users involved with video game console modifications with downloads, tutorials and real time chat.
· **MIUIAndroid -** Administrator and script programmer (bash scripts)
  · Website designed to translate released Android ROMs from Xiaomi to English from Chinese automatically every Friday using Apktool.
  · 100,000+ members with roughly 300,000 ROM installs
· **PandaLove** – Developed and created website used for organizing events using a dynamic calendar. (Laravel, MariaDB and Hangouts Bot)
  · Custom application utilizing multiple REST APIs to provide enhanced stat tracking for multiple video games.
  · Additional features using a Google Hangout Bot to notify users of upcoming events and relay stats.
· **LeafApp –** Developed and hosted a website used for tracking Halo 4 in-game stats (CodeIgniter and MongoDB)
  · Global leaderboards, profiles, and compare functionality using custom algorithms for determining strongest player.
  · Used by 65,000 Xbox Live gamertags until project end.
· **SimpleServer -** Contributor to SimpleServer (Minecraft server tunnel written in Java)
  · Wrapper around Minecraft server by proxying all network data, allowing interception of packets for feature enhancement.

Skills

· Experience with CentOS and Ubuntu systems, including basic shell scripts for automating tasks.
· Languages – PHP, Java, C#, and web development languages.
· Knowledge of building and utilizing REST APIs.
· Experience with Android application bytecode, using the smali project for building bytecode debugger.
· Technical writing – Exploration of new versions of Android applications by examining source (Average 30,000 page views per blog).
· Experience with relational (MySQL/MariaDB) and document oriented (MongoDB) databases.