

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.