John B. Wyatt IV - jbwyatt4.com

github/jbwyatt4 • Stack Overflow Profile • jbwyatt4@Gmail.com • Redondo Beach, CA • (310) 750-7322
Motivated and experienced Full Stack + DevOps developer with two published books and a previous business:
WyattTechCourses.com, **seeking full-time employment**.

SKILLS / CERTIFICATIONS

Front-End Development:	Web Design, CSS, SCSS, Bootstrap, Google Materialize, HTML5, jQuery, some ReactJS, JavaScript
Back-End/Mobile:	RESTful development, Postman, Web Payments / E-commercial, Ruby on Rails, RSpec, C/C++, Python, Java, Android, Rust (learning)
Platform + Database:	SQL (MySQL), PostgreSQL setup and admin, NoSQL, MongoDB, Amazon Web Services (AWS S3), VPS setup and maintenance experience
DevOps:	Ansible, Chef, Bash scripting, Git, Ubuntu Linux, Debian, Github/Gitlab/Bitbucket, Docker, some Kubernetes
Published Works:	*Deploy Rails BlueBook, 2014* *Automate PHP Deploys, 2014*
Certificates:	Introduction to MongoDB, MongoDB University, 2017 Software as a Service (SaaS), University of California, Berkeley (Edx.org), 2013
Associations / Awards:	Linux Kernel Contributor

ACCOMPLISHMENTS / PROJECTS

- LeetCode Oct 17 2019 100% Smallest Memory Usage For All C++ Submissions Accomplishment https://leetcode.com/submissions/detail/270863400/ at the time for Oct 17 2019
- Created a B2B Course Site, WyattTechCourses.com, written in Ruby on Rails with AWS for the backend and Bootstrap/jQuery for the frontend. Offered enterprise features such as: group purchasing, revoking, auditing, and, generate PDF certificates of completion.
- Wrote a dotfile manager in Chef to manage packages, hostfiles, custom commands using Chef templates and package management tools. (https://gitlab.com/jbwyatt4/chef_dotfile_manager_tutorial).
- Wrote a frontend for YCombinator's Hacker News in React with Create-React-App. (https://gitlab.com/jbwyatt4/hackernews).
- Wrote a Small Business Order System in Ruby on Rails + Twitter Bootstrap + PostgreSQL Hosted on Heroku.
- Published, *Deploy Rails BlueBook*, a book on the manual and automated deployment of Linux Rails servers with Chef on Ubuntu Linux.
- Published *Automate PHP Deploys*, a companion book on the manual and automated deployment of WordPress PHP servers.

EXPERIENCE

Outreachy-Volunteer Linux Study

10/2020 – Present

- Working with Vineeth Pillai to learn Linux internals with a focus on the kernel scheduler.
- Intending to work on the new Core Scheduling feature being mainlined into the Linux kernel with a focus on testing and analyzing performance benefits of the Core Scheduling feature.
- Core Scheduling is a project to make Hyperthreading/SMT safer with certain CPU vulnerabilities by using tagged CGroups to assign trusted tasks to run on the same CPU core.
- Article on Core Scheduling: https://www.phoronix.com/scan.php?page=news_item&px=Google-Core-Scheduling-v9

John B. Wyatt IV

Outreachy Initial Intern

02/2020 – 05/2020

- Worked with <u>Julia Lawall</u>, <u>Stefano Brivio,</u> and <u>Greg Kroah-Hartman</u> to improve and prepare Linux drivers in the Linux staging-testing tree for inclusion in the mainline Linux kernel.
- Contributed documentation to the <u>Ceph</u> project.

President/Lead Programmer, Wyatt Tech Courses   **05/2015 – 02/2020**

- Developed and maintained an enterprise course platform in ***Rails*** with ***AWS***, ***Digital Ocean***, and ***PostgreSQL***.
- Used ***Stripe*** for a digital payments integration with the platform
- ***jQuery*** and ***Bootstrap*** was used for the front end
- Wrote a ***Chef DevOps*** script to complete automated setting up and updating the course platform.
- Scripted, recorded, and edited a full course on server automation.
- Registered with government entities for contracting and government purchasing.
- Wrote copy and marketed my course and website to businesses/governments.

Application Developer I, Los Angeles County   **11/2014 – 05/2015**

- Designed and developed a mobile application prototype in the ***Android Eclipse*** platform intended for Accessors to take into the field on an Android tablet.
- Worked with a team of contractors for a ***Linux, Java, PHP, and MySQL*** property estimation tool. Estimations were calculated using ***Machine Learning Regressions*** and ***GIS*** was used to visually map the values.
- – <u>*Cut processing time down from days to hours*</u> for a single tax district of Los Angeles County (over 80+).
- – Allowed the Accessor's department to <u>*move away from an old Cobol system*</u> to a modern Linux-Java system.
- Developed an internal tool (plugin) that integrates into the popular website platform ***WordPress*** for the Accessor's department. The ***Angular JavaScript*** framework was used to provide interactive functionality that fetched data from a public API.
- – <u>*Saved the Accessor's department money*</u> by automating a task it previously paid an outside team to do every time it had to change a part of their website.
- Gained experience working with California government processes and legal requirements, including property tax law.

Student Researcher, University of California, Merced   **01/2013 – 07/2013**

- Researched cloud computing and virtualization.
- Studied research papers and articles on cloud computing including Google File System, Google BigTable, Eucalyptus, and Apache Hadoop.
- Wrote an undergrad survey paper on virtualization implementations that compared Linux Cgroups, BSD Jails, Solaris Zones, VMWare, Xen, and VirtualBox.
- Gained experienced working in a graduate student lab and developing plans in meetings.

EDUCATION

University of California, Merced (UCM)   **July 2014**
B.S. Computer Science & Engineering

References Available Upon Request.