Motivated and experienced Full Stack + DevOps developer with two published books and a previous business: [WyattTechCourses.com](https://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*](https://leanpub.com/deployrailsbluebook) [*Automate PHP Deploys, 2014*](https://leanpub.com/automatephpdeploys) |
| 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/) <https://leetcode.com/submissions/detail/270863400/> at the time for Oct 17 2019
* Created a B2B Course Site, [WyattTechCourses.com](https://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](https://simple-order-management-app.herokuapp.com/) in Ruby on Rails + Twitter Bootstrap + PostgreSQL Hosted on Heroku.
* Published, [*Deploy Rails BlueBook*](https://leanpub.com/deployrailsbluebook/), a book on the manual and automated deployment of Linux Rails servers with Chef on Ubuntu Linux.
* Published [*Automate PHP Deploys*](https://leanpub.com/automatephpdeploys), 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](mailto:Vineeth.Pillai@microsoft.com) 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

**Outreachy Initial Intern**

**02/2020 – 05/2020**

* Worked with [Julia Lawall](mailto:Julia Lawall <julia.lawall@inria.fr>), [Stefano Brivio,](./Stefano%20Brivio%20%3Csbrivio@redhat.com%3E) and [Greg Kroah-Hartman](mailto:Greg Kroah-Hartman <gregkh@linuxfoundation.org>) to improve and prepare Linux drivers in the Linux staging-testing tree for inclusion in the mainline Linux kernel.
* Contributed documentation to the [Ceph](https://ceph.io/) project.

**Tech Lead, 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.
* – *Cut processing time down from days to hours* for a single tax district of Los Angeles County (over 80+).
* – Allowed the Accessor's department to *move away from an old Cobol system* 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.
* – *Saved the Accessor’s department money* 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.