

John B. Wyatt IV

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Motivated and experienced Linux kernel and web developer **seeking full-time employment**

SKILLS

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|---------------------------|---|
| Front-End: | Web Design, CSS, Bootstrap, Google Materialize, jQuery, JavaScript |
| Back-End Development: | RESTful development, Postman, Web Payments / Stripe, Ruby on Rails, unit testing, Python, AWS S3, Linux (Ubuntu & Redhat RHEL), Git, Github/Gitlab, DevOps: Chef, Ansible |
| Linux Kernel Development: | C, Python, BabelTrace2, analyzing lttng traces, learning Rust, please ask for a list of patches contributed to the Linux kernel |
| Published Works: | Deploy Rails BlueBook, 2014 , Automate PHP Deploys, 2014 , core_timer , |

ACCOMPLISHMENTS / PROJECTS

- Created a DevOps Training Course Site, [WyattTechCourses.com](#), written in Ruby on Rails with AWS for the back-end and Bootstrap/jQuery for the front-end. Offered enterprise features such as group purchasing, revoking, auditing, and, generate PDF certificates of completion
- Dotfile manager was featured on GitHub's list of dotfile resources: https://gitlab.com/jbwyatt4/chef_dotfile_manager_tutorial
- Published [Deploy Rails BlueBook](#) and [Automate PHP Deploys](#): books on the manual and automated deployment of Linux servers with Chef for Rails and WordPress

EXPERIENCE

Volunteer Linux Study 10/2020 – Present

- Working with [Vineeth Pillai](#) on writing a test suite called [core_timer](#) for analyzing the correctness and performance benefits of the Core Scheduling feature with BabelTrace2.
- Learned about the Linux internals with a focus on the kernel's scheduler.
- Core Scheduling is a project to make Hyperthreading/SMT safer with certain CPU vulnerabilities by forcing un-trusted tasks to run idle where they could have an opportunity to peak at other processes memory.

Outreachy Initial Intern 02/2020 – 05/2020

- Learned how to work on large open source projects.
- Worked with [Julia Lawall](#), [Stefano Brivio](#), and [Greg Kroah-Hartman](#) to improve and prepare Linux drivers in the Linux staging-testing tree for inclusion in the mainline Linux kernel.
- Contributed documentation to the [Ceph](#) project.

Senior Developer, Wyatt Tech Courses 05/2015 – 02/2020

- Developed and maintained an enterprise course platform in *Rails* with *AWS*, *Digital Ocean*, and *PostgreSQL*.
- Full E-commercial and course functionality implemented with *Stripe* for digital payments and prawn for PDF certificate generation.
- Scripted, recorded, and edited a full course on server automation.

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

- 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 Assessor's department to *move away from an old Cobol system* to a modern Linux-Java system.
- Developed an internal tool (plugin) that integrates into *WordPress* for the Assessor's department. The *Angular JavaScript* framework was used to provide interactive functionality that fetched data from a public API.

EDUCATION

The University of California, Merced (UCM)
B.S. Computer Science & Engineering

July 2014