**ROCCO WAKELEY**

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**Summary:**

* **5+** years of experience in system level programming in **python and C++** in Linux environment and knowledgeable in **Django.**
* Strong Python scripting developer with knowledge of infrastructure automation (like Mongo DB and creating Oracle Schema).
* Solid utilization of laboratory standards and methods.
* Experience with TDD and ability to write quality unit tests.
* Understanding of software design patterns, SLDC, Test Driven Developments (TDD), Continuous Integration and Delivery.
* Knowledgeable in building sever-side RESTful web applications, APIs and automation tools.
  + Experience with automation/configuration management using tools like Ansible, Puppet.
* Working knowledge of Unix / Linux systems, utilities, and scripting.
* Hands on experience in Real Time Operating Systems (VxWorks preferred).
* Proficient in understanding versioning tools, such as **Git / SVN, Github.**
* Experience working with commercial test automation tools (Squish).
* Efficient in using Python packages like **numpy, scipy, pandas, matplotlib, seaborn, scikit-learn, Tensorflow, keras, scrapy.**
* Detail-oriented, result-driven, Self-motivated, dedicated and very good team player with excellent communications skills including mentoring and presentation skills.

**Technical Skills:**

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| *LANGUAGES:* | C/C++, Python, Ruby, MATLAB. |
| *IDE:* | ROS, Visual studio, Netbeans, Anaconda, Spyder, RubyMine. |
| *WEB TECHNOLOGIES:* | XML, HTML5, Django. |
| *OPERATING SYSTEMS:* | Windows XP/7, Ubuntu(Linux), Mac. |
| *SOURCE CONTROL*: | Sub-Version (SVN),CVS/PVS and Git, GitHub**.** |
| *AUTOMATION MANAGEMENT:* | Ansible, Puppet. |

**Professional Experience:**

*Full stack Python Developer (LF Labs) (JUN’17 – Current)*

*Fremont, CA*

* Collaboration with leads, developers, and designers to create and maintain back-end architectures for highly-trafficked applications and build new features.
* Designed data structures and the services that use them for debug development and production issues across multiple services and work towards improving code quality, internal tools/processes, and documentation.
* Building APIs and write high quality, server-side code (using **Python**, but also languages like **Ruby** or JavaScript/Node.js) thoughtfully design forward-thinking, scalable, and performant data architectures
* Have used both **SQL** and **NoSQL databases**
* Independently debug a complicated problem, and done so regularly
* Established testing goals and priorities with a small team of testers in conducting testing on major portions of the product.
* Worked cross-functionally on product design and requirements reviews.
* Implemented the complex solutions with minimal technical debt anddeveloped solutions that are easy to deploy, maintain, and are bug free.
* Participating fully in the development process through the entire software lifecycle.

*Python Developer (Aptiv) (JUL’14 – JUN’17)*

*Malibu, CA*

* The work involved the development of workflows triggered by events from other systems.
* Developing easy to use documentation for the frameworks and tools developed for adaption by other teams.
* Worked with **Python, MySQL, MongoDB, Message Queues** and other scripting languages to develop features like applications related to automotive data logging and telematics, live data streaming, analytics.
* Developed and implemented acceptance test plans to ensure that product meets customer requirementsand also troubleshoot and resolved issues with production software.
* Assisted in the development of a statement of requirements for software development projects by conferring with systems analysts, engineers, developers, and others to design system and to obtain information on project limitations and capabilities, performance requirements, and interfaces.
* Developing and directing software system testing and validation procedures, programming, and documentation and maintaining customer/internal data creation standards.
* Designing and code highly scalable, machine learning applications processing large volumes of data with Python and R.
* Follow agile processes with a focus on delivering production-ready testable code in small iterations.
* Participate in the entire development lifecycle, from concept to release.
* Provided tests to support code, contributing to testing strategies and providedhigh-quality user training documentation.
* Worked closely with other teams to create comprehensive test tools and automation frameworks
* Followed and improvedthe established processes for software development life cycle with an agile approach to delivery software.