

ALEXANDRE BASSEL

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Summary of Qualifications:

A highly enthusiastic software engineer able to build and maintain end-to-end web applications using state-of-the-art open-source stacks. Knowledgeable of cloud, scalability, automation, security, and continuous integration/delivery. Demonstrated ability to acquire new skills and to deliver quality results consistently with minimal supervision.

Experience:

ObjectRocket(Rackspace)

Senior Full Stack Developer

Orlando, FL
2019 May - 2020 Aug

- Developed integration between Django Rest API and Stripe API for the entire Org
- Developed Django API that allows users to invite others to join a company account
- Implemented forms and workflows for user invite in React/Redux and Material-UI
- Designed and implemented a metered billing strategy for integration with AWS Marketplace
- Worked on more than 150 tickets for improvements in the entire stack.

Rackspace

Software Developer II

Orlando, FL
2018 Aug - 2019 Mar

- Developed Ansible compatible with OSA to Configure Barbican/Vault/Etcd.
- Researched Vault and Etcd clustering for High Availability purposes
- Created POCs to evaluate use of Vault in Conjunction with Consul
- Developed methodology for automated tests of Openstack in Jenkins
- Documented guidelines for use and operation of Secret Management as a Service

Sungard Availability Services

Security Consultant

Orlando, FL
2018 Jan - 2018 Jul

- Executed Web App Assessment Pen Test for 3 customers
- Executed External Pen Test for 4 customers
- Developed python code that converts results from nmap's network scanner and generates html graph to allow customers to visualize new devices

AWS Cloud Consultant for 3M Health Information Systems

Orlando, FL
2017 Jan - 2017 Dec

- Responsible for overseeing DevOps requirements for multiple enterprise projects
- Develop autoscaling, self service network proxy in AWS using Squid
- Crafted CloudFormation to support autoscaling MicroStrategy compliant with HIPAA security standards for a critical business application

Senior Software Engineer

Orlando, FL
2015 Dec - 2017 Jan

- Developed enterprise-grade distributed application to manage Sungard's hybrid IaaS (AWS-EC2, VMware) in Python Flask using MongoDB and distributed Celery backend.
- Created RESTful endpoints that auto generate OpenAPI 2.0/Swagger to support a variety of clients for multiple platforms.
- Designed multi-tenant, high granularity, tag-based access control
- Ported VNC protocol(RFB) to stream frames over RabbitMQ/Redis and SocketIO, allowing customers to have pure javascript web based VM console
- Developed Continuous Integration using Ansible and Jenkins to deploy multiple node systems.

Symantec/Veritas

Senior Software Engineer

Orlando, FL
2015 - 2015 Dec

- Developing OpenStack driver to allow creation of virtual machines in Amazon Web Services.
- Porting C# web api to Python
- Redesigning CICD pipeline in Jenkins

Software Engineer

Orlando, FL
2013 - 2015

- Implemented solution to translate C# code to Python code using reflection.
- Implemented UI front end to support VMware Snapshots in Angular
- Developed web portal to serve large scale engineering services across multiple sites

Associate Software Engineer

Orlando, FL
2010 - 2013

- Develop Continuous Integration framework that saved 100's of man hours
- Worked directly in the product (BackupExec) fixing bugs and adding features for VMware Agent

Education:

University of Central Florida
PhD coursework only

Orlando, FL
Spring 2009 – Spring 2013

University of Central Florida
Master of Science in Computer Science

Orlando, FL
Fall 2008

UniFEI
Bachelor of Science in Computer Science

Sao Paulo, Brazil
Fall 2004

Personal/Open Source Projects:

- [Flask-RestGlue\(ALPHA\)](#) - Integrates Flask + Mongoengine + OpenAPI in a simple and elegant way
- [Bits Of Code](#) - YouTube Channel discussing a variety of technologies
- [Flask-DSwagger](#) - Merges DocString into single OpenAPI 2.0 endpoint.
- [Mongosafe](#) - Provides safe reference fields for Mongoengine and Flask-admin dashboard
- [Tensorflow](#) - Integrated Tensorflow/nolo with servos connected to Arduino

Skills:

Languages: Python(preferred), Javascript/Node, Bash, Java, C/C++, Assembly

Frameworks: Django REST framework (DRF), Flask, React, Material-UI, Redux, Pytest, Jest, Enzyme, JSS

Database: Postgresql, MySQL, MongoDB

APIs/Services: Stripe, Mailgun, Auth0

DevOps: Docker, Composer, Git, GitHub Actions, GitLab, Ansible, Travis-ci, Jenkins, AWS Cloudformation, VSphere

Workflow: Yarn, Bower, Gulp, NPM, Tox, Makefile

IOT: Arduino, Pic16F877, 8051

Others: ELK, Selenium, JSON, YAML, Insomnia, Vault, Consul, Etcd, Redis, VMware VISDK, VDDK, TCP/IP, HTTP(s), Swagger, Lxc, Vault, Consul, Etcd, OpenAPI, Jira, Kali, security