

Summary

- “ Strong scripting capability, especially to design system automation and/or integration using Python and webservice API.
- “ Can deliver any web application from napkin idea to Django-based POC in 48 hours.
- “ Full-stack capable.
- “ Welcome challenging problem.
- “ Have a high standard in work quality.

Skills

Software Development Python, Ansible, Git, Jira, ODOO/OpenERP, SQL, Salesforce APEX

Web Application Backend Django, Flask, Tastypie, Django REST Framework, Swagger, Jinja2, Pelican, Jekyll

Web Frontend/UI React, Angular, Material UI, Bootstrap

Data Visualization Graphviz, Cytoscape.js, netjsongraph.js, D3plus, Highcharts, Google chart, MetricsGraphics, chart.js, Plotly.js, dygraphs

QA Selenium, HP LoadRunner, SonarQube, Cucumber, Redmine, Bugzilla

System design pencil & paper, UML, PlantUML, Dia, Visio

System deployment/packaging Ansible, Docker, Amazon EC2/RDS/S3, uWSGI, Nginx, Apache2, Builtbot, Fabric

System monitoring ELK stack, InfluxDB, Grafana, Cacti, Nagios

System administration Salesforce, Red Hat Satellite, Red Hat RHHI, Red Hat Ansible Tower, AWS

Documentation Confluence, Markdown, Pandoc, LaTeX, reveal.js

Experience

11/2016 Lenovo US, Advisory Engineer

- present

- “ Built Git+Jira analysis tool from scratch using Django, React, and Python scripting. Backend provides RESTful API. Python scripts will scan Jira API and git commits to build cross reference, and audit code development such Git branching strategy. In use in production. Demo available.
- “ ThinkAgile CP product. UI lead. Maintain legacy Java Spring and AngularJS UI deployed in Docker, Wildfly and Nginx in production. Lead design and prototyping of next Gen UI and backend REST API. Built UI component catalog using Python, Selenium, and Pandoc.

- “Lenovo Open Cloud (LOC) product. Architect and primary author of two reference architecture papers published on 5/5/2019. Designed its public and private networking. Developed Ansible and Python code to automate deployment, configuration, and operation of 11 applications including RedHat RHFI, RedHat Satellite, RedHat Ansible Tower, Lenovo xClarity, GitLab. In production.
- “Lenovo Open Cloud product. Extended [Netbox](#) using Python, Redis to fully automate hardware discovery, inventory, and configuration. In production.
- “Workload Solution Store project. Architect. Built prototype of Lenovo’s orchestration engine to integrate internal manufacturing and sales systems, and to automate deployment of complex system such as OpenStack with little overhead.

01/2015 PY Consulting, Founder & Consultant

- 11/2016

- “World's Snapshot project. React based SPA integrated with DHS and World Bank data APIs. Rich data visualization. Demo available.
- “Wei Fashion Group project. Designed and built an inventory management and order tracking system in Django and MySQL, eliminated 90% of overhead of offline operations. Demo available.
- “GKP project. Built a web application in Django, MySQL, Redis, and Python web crawler. Featured REST API. Deployment by Fabric in Heroku. Demo available.
- “SP500 Analysis project. Built a web application in Django, PostgreSQL, Redis, and external data API. Intense data crunching capability. Demo available.

11/2013 Beijing Lean Strategy Consulting Group, Director

- 01/2015

- “Designed and built a distributed system in Java. Led QA team to automate regression tests using TDD, Python Unittest and Selenium. Deployed SonarCube for static code analysis, and Jenkins for CICD.

07/2010 CrunchTime! Information Technology, Project Manager

- 11/2013

- “Customized Salesforce Customer Portal using APEX, Visualforce and jQuery. The portal won Bronze in the “*2011 Steve Awards for Sales & Customer Service*”.
- “Built the company’s first mobile application prototype using Cordova, HTML5 and jQuery Mobile.
- “Built user-acceptance-test(UAT) library using Python Selenium.

- 04/2009** China Everbright Bank, Business Manager
- 04/2010 “ Supervised two vendor invitation-for-bids. In charge of a \$2-million purchase of a software system. Managed system implementation, customization, training and administration.
- 04/2004** Bit 9 Inc. (Carbon Black), Team Lead
- 05/2007 “ Wrote Windows kernel code. Lots of C, link lists, pointers, and opaque data structs.
- 07/1998** Instron Corp., Senior Engineer
- 04/2004 “ Wrote firmware in C and RTOS. Familiar w/ DMA, interrupt, low level debugging.

Education

- 04/2007** MBA, Boston University
- 09/2008 “ **Major:** International Management Program
 “ GPA: 3.75/4.0
 “ Recipient of “*High Honor and Dean’s Achievement Scholarship*”
 “ “*Certificate of International Management Program*”
 “ 2nd place in the “*13th Annual Net Impact Case Competition*”
- 09/1995** Master of Science, Ohio University
- 05/1997 “ **Major:** Power System Automation
 “ GPA: 3.15/4.0