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| EXPERIENCEWebGRP Consulting, Salt Lake City, UT — *Software Engineer Consultant*Jul 2019 - Current Various freelance projects to support me while I’ve been pursuing educational interests. Such as mentoring a major software consultant company’s newly enrolled team on python to bring them up to speed for their new project. Designing a new cloud framework for a non-profit to run on to manage their orders within Wordpress and Drupal. CSS, Costa Mesa — *ElasticStack Software Developer*Jan 2019 - May 2019 ElasticSearch Integration developer for a creative alerts system. Duties involved taking big data from network and system monitoring/alerts for Elasticsearch with Kibana for data analyst purposes as well as alerts/notifications for operations. Scripts for importing/exporting data were written in Python utilizing AWS Services. Verango Media, Salt Lake City — *Wordpress Software Developer*Jun 2018 - Dec 2018 Developer for a consulting firm in SLC, UT primary subject matter included PHP, MySQL, Python, Linux, and AWS services. My main project was writing plugins and control interfaces into Wordpress for a major manufacturer looking to brand distinct portals with different schematics in real time with a custom skin to a control panel to be compatible with preselected and preconfigured plugins, themes and other packages. It was designed to be load-balancing based on multi-server architecture structured upon AWS ELB Cloud infrastructure to actively scale the operation. The DevOps portion was deployed using docker containers tilized for rapid deployment from development pushed from git repositories with deployment scripts written in either Bash or Python. Sr. Python Developer float tech for a short-term project mentoring colleagues preparing for a major rollout with a vendor. Apex Digital, Salt Lake City — *Software Developer*Mar 2016 - May 2018 Provided a wide variety of consulting services to a myriad of technologies based upon end-clients infrastructure. Examples of some consulting requests include: Improvising existing C# logistics management software package to conform to new business rules, write/design a platform for translating data from former DB format to exist within MsSQL Server, develop an inventory tracking inventory for wholesale distributors including features such as a drop shopping solution, fully implemented stamps.com API (interface) to work within existing infrastructure, automated batch printing for receipts, create automated barcode scanning solutions. Another major project was designing/writing a “turnkey” solution for an Asterisk Phone system which could be containerized on the AWS platform for a failsafe to meet business SLA needs for uptime with telecommunications. Managed all major backend equipment for day-to-day operations using CentOS and various linux packages/services. Cricut, Salt Lake City — *Lead DevOps Engineer*Feb 2015 - Nov 2015 Develop a Continuous Integration Continuous Deployment Pipeline (CI/CD) for an automated deployment system using virtual containers for a Magento based shopping cart on the Amazon Cloud (AWS) through a staging process utilizing Jenkins for the automated build processes which used scripts I wrote mostly with BASH, Python, and PHP. The AWS Clusters were load balanced using ELB and specialized rules using AWS Route53 technology for dns-based real-time based load balancing and health monitoring. Migrate existing code from pre-existing design and platform to seamlessly integrate for the new solution to release without interruption for releases to the high volume website. Write automated Content Delivery Network (CDN) software utilizing Node.JS (NPM), C++ and Grunt. Provide solutions to bridge frontend to backend ensuring Angular and other RESTful API calls are properly interacting with backend C#.NET services hosted on proprietary networks separate from AWS production. Researched and implement common industry practices for Amazon Cloud and Magento environments to improve interactivity on high availability clusters with minimum CPU/Memory usage by using Nginx, Varnish, Opcache, and a Custom Delivery Network service written in Node.JS, C++ and C#. Cymbeo, Salt Lake City— *Software Developer*May 2014 - Jan 2015 **W**eb development including both back and front-end services primarily within C# .NET highly focused on maximizing UI (User Interface) effects written in Javascript with tools such as Angular, JQuery, Proprietary Frameworks, and Google’s API for the front layer driven by Oracle for our backend database. Other responsibilities would include taking professionally drafted “mockups” and other designs to “bring to life” further improving customer experience and overall improving branding/marketing recognition most my expertise was central to our very high volume control panel clients would manage their productivity in order to help meet sales and commission goals increasing their revenue. These tools would have to be written to maintain a high level of scalability to be as responsive during peak usage times (e.g.: during international yearly conference) or unexpected DDOS campaigns, as well as exceed industry standards for security.  For example, one of my tasks included creating interactive real-time map within the control panel to interface w/Google Maps and see relevant sales/leads/activity information as it pertains to their account broken down by geolocation stored in background upon first load utilizing methods to cut server/traffic load by caching data to utilize client side improving overall experience as well as decreasing the burden on our infrastructure; especially the Oracle DB server as well as network traffic.  This tool is also as highly specialized to export and create custom reports for the user to run “on the fly” in multiple formats Aero-Graphics, Salt Lake City— Lead GIS (Geospatial Information Systems) *Software Developer*Feb 2012 - May 2014 Heavily involved in a wide array of languages and frameworks evolving and changing constantly to meet frequently evolving requirements. Design applications and scripts to transform, manipulate and automate processes primarily in Python and C# highly customized to leading industry standards within the GIS field frequently using applications such as ArcGIS, VR, AutoCAD, as well as a plethora of others. Work with other departments as needed to assure conformity to meet industry needs proposed by Business Requirements Documents (BRD) as well as strict government protocols for data on imagery in XML, GeoTiff, and GIS Shapefiles. Design primary and internal websites, build interactive UI tools to simulate and explain complex procedures to give the users and potential customers a better understanding of what the company can do for their business and what different solutions would offer what results. The majority of the non-desktop written software/tools were utilizing Google Maps API and JQuery with PHP & PostGres database server for the backend. Atlantis Consulting, Salt Lake City— Sr. Software DeveloperApr 2014 - Jan 2012PHP backend developer for multiple portal websites. Lead engineer for Data Feeds and Data Mining operations which involved importing and exporting datasets both to and from various file types (FTP, SFTP, XML, Excel, Doc, CSV, embedded email etc.) to be processed by business rules to be exported out via our distribution channels for order fulfillment via internal or external distributor channels such as Amazon, Kmart, or Sears. Develop solutions for inventory management and controls for our warehouse such as batch printing for shipping and distribution, and reporting on our SLA report to meet goals with our partners.UCN (inContact/NICE), Salt Lake City— Sr. Software DeveloperApr 2008 - Mar 2010 Lead Software Developer for integration for their Salesforce Project C++ CTI Adapter Participate and plan daily SCRUM meetings, function as SCRUM master as needed. Performed as a subject matter expert (SME) to other departments Frequently communicate and coordinate upcoming issues (trouble tickets) with QA and other relevant departments to help streamline resolving bugs. Maintain proprietary codebase in C, C++, and Delphi for their telecommunications suite VOIP based hosted ACD solution.’ | SKILLS Amazon Cloud Design and Architecture (Such as S3, EC2, RDS, ELB, Route53, Botocore, devops and automated deployments) C/C++/ C#/C# .NET Shell Scripting (BASH, Perl, etc.) Virtual Containers and instances (Docker, VMWare, Vagrant, Virtualbox, Kubernetes) Python (data science/analytics, scripting, API calls) PHP (w/Magento and Wordpress frameworks) Linux (Ubuntu, Debian, CentOS, Redhat) WebAPI Services (RESTful, SOAP, JSON) System Daemon/Background Services such as Apache, NGINX, IIS, BIND (DNS), SMTP(mail), SNMP etc.) GIS - Geospatial Information Systems (ESRI ArcGIS, QGIS, VR, CAD, Python scripting, LiDAR Data) Database and Big Data design/architecture such as MySQL(Maria), PostGreSQL, MsSQL, Oracle, ElasticSearch, NoSQL, MongoDB. Javascript Frameworks Angular, Google API’s, JQuery,Javascript, JQuery, Node.JS/NPM Jenkins JIRA Code Revision Software (GIT, SVN/CVS, etc.) Cloud and Network Monitoring (Grafana, Nagios, Cacti) Unit Testing and QA Automation (Selenium) TDD - Test Driven Development Agile & Scrum Methodology |