

JIM YOST

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Objective

Obtain a position where I can use my development and leadership experience to make a positive contribution to the organization.

Work Experience

Principal Software Engineer

2011-2015

Comcast Cable | Mount Laurel, NJ

- Led teams of developers on network automation projects within the organization using the Agile SCRUM methodology
- Provided instruction and help to junior developers on their career path
- Architected and developed many applications and services used for network automation
- Created a PHP framework for teams of developers to use as a platform for many projects
- Automated application and service deployments to Continuous Integration, QA, Staging, and Production environments using Ansible and Puppet

Senior Developer | Owner

2006-2011

Blue Box Consultants | Mount Laurel, NJ

- Developed mission critical web applications for businesses and government offices
- Tested for Quality Assurance and created documentation for all applications developed
- Administered on-site and off-site server hardware and software
- Implemented new software and services to increase profitability for the company

Freelance Developer

2003-Present

Self Employed

- Developed websites for small businesses and individuals
- Led design firms to implement templates and plugins
- Used ProcessWire, Drupal, Wordpress to help empower end users

Senior Technician

2001-2006

Debug-It, LLC | Medford, NJ

- Deployment and troubleshooting of higher tier software and equipment such as Windows Server, Active Directory, DNS, MS Exchange in Windows based environments
- Deployment and troubleshooting of advanced networking setups
- Taught technicians everything from malware removal to server security
- Created numerous software applications to help streamline services and turnaround time

Recent Projects

UI and RESTful API Framework

- Architected and developed a scalable and highly available framework which improved the speed and efficiency of development work along with ensuring the applications were up and running 24/7
- All data and business logic was done via RESTful API which the UI would consume for end users. All API's were available to other consumers and needed to be authenticated and authorized by the system.
- Development was done in the form of "Modules" that can be installed, removed, upgraded, or downgraded based on the needs of the environment. All deployment was done via automation of the framework's core UI
- Created many helper services to remove the complexity from some development work for handling data, service calls to other API's, component visualization, reporting, data collection, access control, user and group management, etc.
- Developed a UI framework using AngularJS and other javascript libraries which made it simple for developers to use pre-built components like navigation, trees, data tables, notifications, etc.
- Developed services for automation of configuration on Juniper, Cisco, Arista, F5 network equipment
- Provided events and health data to the Reporting Framework
- Maintained backwards compatibility of the core components
- Provided functional unit tests for all core classes
- Version control was done in Git

Utilized the following skills and technologies

PHP 5.5 | Phalcon PHP | Zend Framework | MongoDB | MySQL | Redis | AngularJS | REST | SOAP | Git | SSL | CSS | JavaScript | jQuery | DataTables | Apache | Ubuntu | Jenkins | Ansible | Puppet | Phing | PHPUnit | Zend Server | F5 Load Balancers & GSLB

Asynchronous Job Framework

- Architected and developed a scalable and highly available framework for processing long running or bulk jobs
- Developers could create logic that the job workers would run, and all the message passing, events, notifications, status updates were handled by the framework
- Work was done asynchronously via the job framework
- Services could be stopped, started, restarted and upgraded without affecting running jobs
- Workers provided events and health data to the Reporting Framework
- Deployment was automated and could scale to many machines

- Collected data from over 100k network devices on a daily basis
- Aggregated millions of rows of data per day to applications or databases
- Created and maintained the core of the framework, along with many of the workers running within the framework

Utilized the following skills and technologies

PHP 5.5 | RabbitMQ | Gearman | Ubuntu | Ansible | Phing | Git

Reporting System

- Deployed the ELK Stack (Elasticsearch, Logstash, Kibana) for collecting application performance and monitoring metrics along with business intelligence metrics
- Applications submit data to RabbitMQ or logs are collected via Logstash
- Received roughly 6GB of new data per week
- Job Framework would process and aggregate business intelligence data to Elasticsearch
- Sites and services were deployed automatically with Ansible
- Created many dashboards and charts with Kibana
- Created custom reports querying Elasticsearch

Utilized the following skills and technologies

Elasticsearch | Logstash | Kibana | ELK Stack | RabbitMQ | Ubuntu | Ansible

Older Projects

Workflow Framework | Automation Applications | Inventory API | Analytics and Reporting Applications | Nurse Tracker CRM | Property Tax & Utility Payment Portal | Construction Project Management Bidding Portal | YMCA Camp Registration, Donation, Content Management System

Additional Skills

Other projects have utilized the following which were not listed in the Projects section

ExtJS | ProcessWire | Drupal | Joomla | Oracle | MSSQL | SQLITE | Adobe Photoshop | PHPStorm | Sublime | Zend Studio | Eclipse | Vi | Authorize.net API | First Data API | Paypal API | Google Web Service APIs

Education

Delaware Technical & Community College

2000-2001

- Earned credits towards an Associate of Computer Information Systems

Bethel High School | Bethel, CT

1999

-High school diploma