Jeremy Veleber

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Objective

Sr. Software Developer with over fifteen years experience designing and developing applications, portable objects, business application frameworks and service based data processing applications seeks company looking to produce embedded technologies and high volume services in order to create effective, efficient, scalable, manufacturable and economical products.

Skills

Technologies: object oriented design patterns, service oriented architectures, embedded systems, message queues, distributed computing, ffmpeg, imagemagick, clustered and highly available systems, Windows Services, SVG, XML, TCP, UDP, Sockets, AWS (S3, CloudWatch, IAM, Key Management, Kinesis, SNS, SQS), Atmel Studio, STK600, AVR Dragon, DipTrace, GIT, Android development

Languages: Java, C, C++, Python, Shell Script, Bash, Zsh, SQL

Databases: SQL Server, Oracle, MySQL, PostgreSQL, DynamoDB, Redshift

Operating Systems: Windows, Linux, Unix, OS X

Experience

F5 Networks Inc, Seattle, WA November 2015-August 2018
Sr. *Java Developer*

- Implement state machine management software for dependent service while maintaining stateless REST APIs
- Design and implement content caching system that decrease load times for high priority content by at least 500%
- Create content feed for Google Search Appliance for search indexing
- Research and develop taxonomy translation system proof of concept for company wide use
- Use Tomcat and JAX-RS to design, develop, document and test many features for REST API
- Perform leadership role in major project and personnel decisions

Amazon, Seattle, WA July 2010-August 2014
Sr. *Software Design Engineer*

- Develop product to website photo pipeline for Product Imaging team, including automated product sidelining, photo quality assurance, and photo retouching using Java, message queues and an Oracle database
- Design and develop motor control, camera, safety and calibration drivers for photo automation device

- Physical design, construction and testing of photo automation device
- Electrical troubleshooting of power loss to camera causing shutdown
- Add calibration feature accounting for wear of photo automation device
- Add value to millions products on website by creating product photo ingestion pipeline from vendors for products with no display photos on website
- Develop virtual currency used on Amazon AppStore using Java, Simple Queue Service, Simple Notification Service, restful web services and DynamoDB
- Work in a complete software life cycle of design, code, quality assurance (unit and integration testing), operations (investigative/interactive tool creation), metric gathering and analysis, continuous deployment (fast failure, automated rollback, minimal impact to production systems)
- Design and develop mobile application framework for initial Amazon AppStore
- Using Kinesis, Redshift and Elastic Map Reduce create business intelligence platform for managing Amazon Coins business decisions with near real time data at high volume

Disney Interactive Media Group, Seattle, WA March 2010-June 2010
Sr. *Software Engineer*

- Create a platform on IOS applications allowing advertisements to be injected into existing applications
- Develop service for generating and translating next smallest possible hash available for short URL, support vanity URLs, create translation from short URL to long URL, collect and store metrics for analysis and business intelligence

Nokia, Kirkland, WA December 2007-December 2009
Software Design Engineer

- Develop hardware and software topology, actualize code development, deployment and operational support for location based media service using Java running on clustered Glassfish instances and hosted by Ubuntu 8.04 servers
- Using RESTful web services (JAX-RS & JAXB) institute seamless, platform independent bridge between previous and future code bases to ease transition to a scalable cost model
- Model scalable, reliable, efficient and effective asynchronous media processing platform while leveraging technologies such as Java Messaging Service, Message Driven Beans, ffmpeg and imagemagick
- Acting lead for middle ware group

Dexterra Inc., Bothell, WA February 2005-December 2007
Sr. Software Engineer

- Design, develop and maintain enterprise mobile software framework
- Integrate mobile framework into Visual Studio IDE
- Provide service oriented software model for various reusable functions in mobile framework design environment
- Lead and mentor junior and mid-level software developers

Volt (Microsoft), Redmond, WA March 2004-February 2005
Software Design Engineer

- Lead team, create architectural design and implement various multi-tiered software packages that include document/data management for searching, multi-directional data feed management and consumption, data collection for analytics and Share Point web UI for searching and data viewing

- Assist team members in design decisions
- Provide technical leadership, team project estimates and documentation to management team

4MationGeo Inc., Seattle, WA November 2002-February 2004
Software Engineer

- Design, develop and deploy geographic information systems software
- Using C#, create software that renders geographic and spatial data into visual and interactive maps in both windows and scaleable vector graphics formats
- Assist team members in design decisions
- Develop printable mapping software that generates documents in PDF format

Volt (Microsoft), Redmond, WA February 2002-November 2002
Test Engineer

- Work with Speech SDK group in testing and evaluating software development tools
- Write test harness and automation for Speech SDK tools using compiled JScript and .NET Framework
- Construct build and automation suite environment with VBScript for entire test team
- Develop complete speech enabled ASP.NET applications with both C# and Visual Basic .NET in the Visual Studio .NET environment

Civia Inc., Seattle, WA February 2001-January 2002
Software Engineer

- Design, document and develop software packages for public media terminals
- Built content management system and reporting tools using Visual Basic, ASP, SQL, and Active Directory
- Redesign, restructure and develop XML-based content harvesting environment with Visual Basic and SQL Data Transformation Services
- Eliminate hundreds of lines of code, streamline entire development and maintenance processes and increase development efficiency by more than 60%

Punch Networks, Seattle, WA February November 2000-February 2001
Software Engineer

- Work with QA group in testing and evaluating software products.

Education

Western Washington University 1999

- Bachelor of Arts - Marketing/Business Administration