

Chris Brown

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Profile

I am active learner that enjoys growing my skills and knowledge across many areas of my life. From learning about and adopting new technology stacks to teaching myself how to sand cast aluminum molds, I always pursue excellence. Don't give up and always learn from my mistakes is how I continue to grow. My ability to solve problems and how I think different and creatively will be a valuable asset to your team.

Skills & Abilities

MANAGEMENT / LEADERSHIP

- Coached, mentored and motivated numerous development and infrastructure teams for the past 10 years using Agile methodology. One of the largest team was 20 developers working on a variety of tasks from Web Development to Business Intelligence dashboards to produce a Multi Channel Management Platform for Retailers
- I am a lifelong learner and I get excited about learning new technologies and general knowledge..
- Worked with BI Developers to support Multi-Channel Retail Operations to build Dashboards and Visibility to sales and operations
- Helped create new product concepts and develop them into viable / sellable products.
- Supported different internal departments for their technology need assessments and implementations.
- Worked on and led PCI compliance projects for two major national retailers
- Thrive and deliver high quality teams that perform in high-pressure, deliverable based environments
- I am a self-motivated leader that has the ability to convey my passion and inspire a team
- Reviewed and provided guidance of curriculum for WVUP Computer of Science and Information Technology degrees
- I enjoy inspiring teams and mentoring developers to achieve their technology and career goals. By teaching it gives me the opportunity to help develop upcoming developers
- Developed Budgeting and expense / sales forecasting for technology projects and annual business operations

TECHNOLOGY

- Development Technologies
 - Development in .Net from 1.0 release to 4.6 in many different styles: Web Development, Managed and Unmanaged Services, Monitoring Applications, API development using Web Services and REST styles.
 - GoLang development for services and console applications. Custom Beats development for monitoring performance metrics from SteamSets and Cloudera Hadoop.
 - JavaScript for development on technologies such as Angular.js, KnockOut.js and Node.js
 - Java development for Android Mobile application development
 - BI Dashboard development using Kibana, custom JavaScript and ASP MVC tool sets
 - MS SQL Server from 2000 to 2016 implementations. Including stand-alone environments, HA groups for load balancing and scalability.
 - MongoDB / Hadoop / NoSQL Data Stores to handle unstructured data for storage, searching, and retrieval.
 - Queuing and Service technologies such as RabbitMQ, MSMQ, Azure Storage Queues, Kafka and custom developed queue engines
 - Source Management and Continuous Integration for Automated Deployments. Git, TFS, Jenkins and TeamCity.
 - Elasticsearch and SOLR for search indexing
 - Elastic, Logstash and Kibana (ELK) stack for logging and visualizations.

- Python development for Red Hat Enterprise Linux (RHEL) System Management
- Infrastructure
 - Windows and Linux Server management
 - Continuous Integration support using TFS, Team City and Jenkins.
 - System Automation and Configuration using Ansible for consistent and expectable deployments
 - Virtualization using VMWare (ESX, ESXi, VSphere), MS HyperV, and numerous other virtualization technologies.
 - SAN implementations in different variations including large scale / redundant Fibre Channel, Small SAS Clusters, or iSCSI technologies
 - Networking technologies for switching, routing, firewalls and VPN solutions. Completed the CCNA certification in 2003 and have worked with many other networking products.
 - Load Balancing with F5 Big IP, Kemp Load Master, and various open source Linux distributions like Zen Load Balancer
 - Built multiple high capacity hosting environment for web applications that handle millions of requests per day for RESTful API and eCommerce platforms
 - System Monitoring Applications using SMTP and WMI

COMMUNICATION

- Presentations in front of groups are one of my strong skills. I have delivered presentations or lectures to the follow audiences: Project Teams and Executive business leaders, Lectured to students and co-workers, and engaged with potential clients in the pre-sales process with a high degree of confidence
- Comfortable communicating with anyone at any level of an organization from a level 1 help desk technician to the CEO or Board of Directors
- Written and verbal communication that is well organized and clearly states the objective, outcome or deliverable

Experience

INFORMATION ARCHITECT III | AVAILITY | SEPTEMBER 2017 TO PRESENT

- .Net core Development for Services and Restful APIs
- Cloudera Hadoop Data Warehouse Environments
- Develop ETL processes using StreamSets for data streaming. Additional processes for consuming log data and creating visualizations using ELK stack.
- Data ingestion of billions of transactions in to a large scale ElasticSearch cluster
- Created Metrics Repository utilizing Custom Beats development and ElasticSearch that monitored a Hadoop and StreamSets environment. Provided dashboard capability to the Data Management and Analytics department to allow visibility to Key Performance metrics across our applications
- Developed Custom Beats and Sytem Management Programs in GoLang
- Built Ansible Scripts for automated deployment of the Elastic stack and custom Linux services
- Managed Multiple 25 node ElasticSearch Clusters and numerous 3 node clusters
- Manage and administer the upgrade of the IBM MDM environment
- Manage and develop on Red Hat Enterprise Linux 5, 6 and 7
- Develop Jenkins Pipelines for Continuous Integration
- System management and automation with Python Scripting

SOFTWARE ARCHITECT / .NET DEVELOPER | HOMEASAP | DECEMBER 2015 TO SEPTEMBER 2017

- Built and manage numerous ElasticSearch multi-node clusters to support search data and logging. Production clusters support over close to a billion active documents with an archiving strategy.
- Evaluated, designed and developed REALData System using .Net and Azure to continuously synchronize a million plus real estate listings.

- ETL Processes in .Net for loading data from RETS Servers into our own custom canonical formats
- Built project plan for the REALData project and lead the implementation
- Developed MicroServices architecture on top of MS Service Fabric and .Net for synchronization framework for a scalable execution
- Built pub/sub model on top of RabbitMQ for reliable and persistent event messaging that allowed us to decouple our microservice architecture for scalability and reliability.
- Developed custom mapping/matching algorithm to evaluate data from an MLS system and used fuzzy string logic to provide best guesses to accelerate the mapping process. This was then used in our ETL processes as listing data streamed through our microservices to transform data into our canonical.
- Implemented credit processing system to handle queuing for batch traffic transactions using Stripe using .Net
- Managed evaluation and migration to new hosting partner

Sr SOLUTIONS ENGINEER | PEAK 10, INC | DECEMBER 2014 TO DECEMBER 2015

- Support management, business development executives and account representatives with enterprise and small business customers in the Nashville and national market.
- Meet with customers to understand their technical and business challenges and then present an IaaS and managed services solution to meet their needs.
- Helped the market achieve 130 percent of budgeted plan year to date
- Worked with customer IT organizations from the CIO/CTO to the System Administrators and Developers.
- Built a reputation in the Solution Engineering community as the MS SQL expert.
- Built a VMWare audit tool with C# to simplify the audit process for customer presentation
- Built a dashboard for the local market with Salesforce data using JavaScript and Node.js.

CHIEF TECHNOLOGY OFFICER | NCHANNEL | AUGUST 2011 TO NOVEMBER 2014

- Architected a .Net REST API based platform that provides multi-channel retailers integration capabilities across channels. API supported both JSON and XML data formats
- Designed ETL processes for loading data from disparate sources into nChannels canonical. Based on workflows the data would then flow to outbound channels
- Built data marts to support custom web based reporting modules
- Provided architectural diagrams and documentation to support the development and implementation of the platform.
- System designed to be managed from web based portal to control the on premise and cloud based integration points
- Developed methodology to utilize XSLT and JavaScript as the foundation of data transformation. This included transforming XML into flat files, XML into SQL and general XML to XML transactions. Included a methodology for transforming data returned from SQL into usable XML.
- Built integrated search engine utilizing SOLR to provide a faceted search. Support for over one million products.
- Built .Net WF to support complex order submission and management functions that could be tailored to an individual client on the platform via configuration
- Dynamic compilation of .Net premise code and dynamic installation/updates of integration components
- Developed hosting architecture / infrastructure for SaaS that supported 6 million daily API calls
- Managed a team of 20 plus developers and DBAs, organized into 3 strategic delivery teams running multiple, concurrent development projects
- Personally led the research and development team ranging between 3 to 6 developers. Projects in .Net and Node.js.
- Ran the bi-weekly development sprints with focus on backlog management, showcase of deliverables in the sprint and launching of the future sprint
- Presented key development metrics and development project status at quarterly board meetings
- Created, led and managed the release cycle for all areas of the platform

- Worked with key clients to meet their business and technical requirements during implementation of nChannel platform.
- Assisted in developing business plan and presentations to investors
- Worked with potential and current clients to assess how nChannel's technology could solve business needs.

ADJUNCT FACULTY | WEST VIRGINIA UNIVERSITY OF PARKERSBURG | JANUARY 2003 TO PRESENT

Teaching is a passion of mine and I love giving back to the community by educating and mentoring students. Many students have also had the opportunity to come to work with me and I love watching them grow their skills.

- Currently teaching an Advanced Web development with node.js (Spring 2019)
- RESTful web service class based on ASP.Net Web API in C#
- Prepare syllabus and curriculum for course work
- Teach class and educate students
- Taught classes covering: Windows 2000, Windows 2003, Windows 2008, VBScript, Java Programming I and II, SQL Server 2005 Management and ASP.Net Programming

SYSTEM ARCHITECT | WOODCRAFT SUPPLY | OCTOBER 2009 TO AUGUST 2011

- Led a team of 3 developers focused on development and maintenance of the primary eCommerce application and internal tool suites
- Integrated Woodcraft.com with Google Commerce Search (GCS) and was asked by Google to come speak about the implementation at their Spring Summit in April 2011.
- Met with Google GCS team in Chicago and Pittsburgh to provide guidance on feature sets for the product
- Architected improved Google merchant feed to increase sales and product information
- System management of ESXi hosts, Windows Hosts, SQL Server 2005 hosts
- Manage Senior Software Developer and third party developer projects
- Provide level 2 technical support for the Retail Systems group
- Support custom developed apps used for internal purposes
- Evaluate and implement new software packages as needed

OWNER / DEVELOPER | CLAY WORLD SOFTWARE | JANUARY 2010 TO JANUARY 2012

This was an idea and small business I developed in my spare time. It surfaced because of a personal problem keeping multiple Android devices synchronized with music, pictures and other file formats.

- Design and develop Android Application – Syncness
- Learn and implement Android Developers Kit
- Created software that kept a folder share or Dropbox folder synchronized with an Android device
- Learned how to market software in the Android market including how improve visibility
- Averaged 1000 copies per month sold in the prime of the software
- Provided customer support to end users
- Designed video based help into the application to assist customers with setup and use

SENIOR SOFTWARE DEVELOPER | RETAIL LABS | MAY 2008 TO OCTOBER 2009

- Developed software for private sector and government customers.
- Developer on Connect 2 Retail software that provides integration services between POS, Warehousing, Manufacturing, eCommerce and Accounting software.
- Managed hosting environment for MS SharePoint and other custom web applications
- Projects included – Web Portal Development, Mobile Synchronization, Database / Object Extraction utilities

DIRECTOR OF IT | WOODCRAFT SUPPLY | MAY 2006 TO MAY 2008

- Responsible for IT infrastructure for both corporate offices and 90+ retail locations
- Managed a five member team of Help Desk staff, System Administrator, Network Administrator
- Developed and managed IT budget covering daily operating costs, salaries, and capital projects. Annual budget ranged between \$750,000 to \$1,500,000
- Standardized support package for franchisees
- Turned franchise support into a revenue stream for corporation, rather than a cost center by incrementally increasing the system deployment cost and charging for non-critical issues
- Reduced corporate infrastructure costs by implementing Virtual Infrastructure. Allowed old servers to be retired reducing maintenance and support costs. Increased ability to deploy new servers in minutes, via virtualization, rather than weeks to months.

SENIOR APPLICATION DEVELOPER | WOODCRAFT SUPPLY | APRIL 2005 TO MAY 2006

- Developed applications and plug-ins for Microsoft RMS
- Created technical plan for converting over 80 stores from a legacy POS system to RMS
- Research new and legacy POS hardware
- Extended credit card processing platform to integrate with a major gift card provider
- Developed a deployment and patching system to simplify POS and plug-in updates
- Developed a mobile and client side application for mobile inventory management

Reduced corporate infrastructure costs by implementing Virtual Infrastructure. Allowed old servers to be retired reducing maintenance and support costs. Increased ability to deploy new servers in minutes, via virtualization, rather than weeks to months.

WEB DEVELOPER | WOODCRAFT SUPPLY | APRIL 2002 TO MAY 2005

- Created and maintained websites in Classic ASP and ASP.Net
- Lead developer and infrastructure on eCommerce project to bring the system in-house
- Developed and maintained numerous internal applications ranging from email newsletter system to franchise content management system.
- Implemented Celebros Site Search to provide fast search on tens of thousands of items.

Education

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY | MARCH 2006 | UNIVERSITY OF PHOENIX

- Major: Information Technology
- Related coursework: Networking, Systems Administration, Programming and Databases, SDLC / Project Management

ASSOCIATE IN APPLIED TECHNOLOGY | MAY 2003 | WEST VIRGINIA UNIVERSITY AT PARKERSBURG

- Major: Computer Information Technology
- Related coursework: Windows MCSE preparation for Windows Server and Infrastructure, Cisco Networking Academy

References

Charles Almond – Computer Science Faculty at WVUP – 304-488-6176

Aaron Freeland– Lead Developer at Marietta Memorial Hospital – 304-916-4730