

Krishnaiah Narukulla

Software Engineer - Tesla Motors

- Email me on Indeed: indeed.com/r/Krishnaiah-Narukulla/2f9282d76090f62b

- 12+ years of professional software development with Product development lifecycle experience.
- Solid Experience in building SaaS (Software as a Service) applications using Microsoft Azure.
- Experience in RESTful API design and Implementation.
- Experience in Virtualization domain using hypervisors Xen and HyperV.
- Experience in development on Big Data technologies like Hadoop HDFS and its echo systems.
- Solid Experience in Microsoft Win32 Programming and .NET system programming.
- Solid experience in building web services using ASP.NET.
- Experience in designing and architecting the product software.
- Demonstrated exceptional problem solving abilities and strong programming skills with C#, C, C++ and Java.
- Solid Experience with Microsoft .Net Framework [...] and Visual Studio [...]
- Solid experience in windows application programming with technologies WCF, REST, JSON and Microsoft Data Services.
- Experience in writing Windows PowerShell Cmdlets and scripts.
- Experience in writing cloud services using Windows Azure.
- Experienced with RDBMS concepts which include database programming using SQL Server Components: Transact-SQL, Stored Procedures, Triggers, Views and Functions.
- Strong Win32 programming and debugging skills.
- Proven track record of shipping high quality software through multiple release cycles.
- Proven ability to drive technical and architectural design decisions as well as establish best practices in Engineering Organization.
- Solid design skills, with a strong eye towards maintainability and flexibility of code.
- Proven ability to deal with ambiguous problems and make solid progress when the solution is not well defined.
- Excellent cross group collaboration skills, self-motivated and team player.
- Experience in client-server and multi-threaded environment.

WORK EXPERIENCE

Software Engineer

Tesla Motors - September 2014 to Present

Product: WarpDrive

Features Handled: Bulk delivery, Assembly and Disassembly

Technologies Used: C#, WCF, REST, ASP.NET, AngularJS, Kendo

Summary: WarpDrive is business process management software that allows Tesla to use a system of integrated applications to manage the business. WarpDrive contains functionality from Sales order is placed to Vehicle is delivering from Service center.

- Developed new features for supporting bulk delivery of vehicles.
- Performance improvement for both single VIN and Bulk Delivery.
- Involved in improving the performance of Assembly/Disassembly process.

Log Parser, Mini Task Manager, Dashboard, Trends

Citrix R&D Pvt Ltd - December 2011 to September 2014

Technologies Used: Apache Hadoop, Java, C#, .NET, Microsoft Azure

Product Summary: Troubleshooting and Monitoring console for the XenDesktop product and same functionality for Cloud service based solution for SMB customers.

- Implemented LogParser feature using Apache Hadoop. This will analyze logs and gets the important information to Admin.
 - o How many users logged in for particular duration?
 - o How many sessions are running for particular duration?
 - o What is the exception trend for particular duration?
 - o What are the APIs which takes long duration to complete?
- Developed and Demoed DAAS (Director as a Service) which is Software service runs on Microsoft Azure Cloud during Techfair in Citrix.
- Attended architect conference in London for brainstorming features for future versions of Xen Desktop. Works closely with other architects as an active member of the standing Architecture Team.
- Designed and implemented Mini Task manager functionality for Help Desk.
- Designed and implemented Dashboard and Trends functionality for Monitoring Xen Desktop.
- Solved Performance issues in current XenDesktop release. For instance improved Performance for UI page load and Mini Task manager.
- Written blog for diagnosing the customer issues.
- Mentored the junior developers in the team.

Data Protection Manager

System Center - 2012 to 2012

DPM) enables disk-based and tape-based data protection and recovery for servers such as SQL Server, Exchange Server, SharePoint, virtual servers, file servers, and support for Windows desktops and laptops. DPM can also centrally manage system state and Bare Metal Recovery (BMR).

This team has end-to-end ownership for the Data Protection Manager (DPM) product and business. DPM is Microsoft's flagship product offering in this space to address an IT organization's data protection needs. It allows protection of various Microsoft workloads like Exchange Servers, SQL Servers, HyperV server along with File System data to disk and tape.

Activities Involved:

I have made a wide range of contributions in three major releases and a Service Pack release for DPM in the areas that include design, development, stabilization and support. I have received multiple awards during this tenure including the Gold Star award for showing extra commitment in upgrading windows publics from one SDK version to another SDK.

- Designed and implemented the backup/recover support for SQL FILESTREAM and SharePoint RBS.
- Owned the datasource discovery and inquiry framework. Also, ensured that the scalability of this feature is on par with release goals by improving it by enhancing it from 2hrs for SQL data source enumeration to about 5-10 min.
- Owned the Setup feature for one major release.
- Owned the Agent Management feature for one major release.

Software Design Engineer II

Microsoft R&D Ltd - Hyderabad, Andhra Pradesh - September 2010 to November 2011

Product: Cloud Backup Service

Features Handled: Rich Client UI and Object Model

Technologies Used: C#, WCF, .NET Windows forms

Product Summary: The Microsoft Online Backup Service is a cloud based backup solution for Windows Server "8" which allows files and folders to be backed up and recovered from the cloud in order to provide off-site protection against data loss due to disasters. The service provides IT administrators with the option to back

up and protect critical data in an easily recoverable way from any location with no upfront hardware cost or resources other than an Internet connection. This service is built on the Windows Azure platform and uses Windows Azure blob storage for storing customer data. Windows Server "8" uses the downloadable Microsoft Online Backup Agent to transfer file and folder data securely and efficiently to the Microsoft Online Backup Service. Once installed, the Microsoft Online Backup Agent exposes its functionality through the familiar Windows Server Backup interface.

<http://blogs.technet.com/b/windowsserver/archive/2012/03/28/microsoft-online-backup-service.aspx>

Activities Involved:

- Implemented Data encryption while backing up at client side and decrypting data while recovering.
- Owned end to end design for Object Model as WCF service for rich client UI so that clients can even communicate remotely.
- Design and implemented CLI using Windows PowerShell Cmdlets.
- Solved the notifications from core-engine on client to UI/CLI using publisher-subscriber mechanism.
- Delivered a couple features on Cloud Service side with exposure to Windows Azure platform including Windows Azure Compute and SQL Azure storage.
- Gained knowledge about Web Service API design, handling large results sets using paging/chunks, scalability aspects of API using service design principles such as - versioning of data contracts, backward compatibility and design for failures etc.

Software Design Engineer II

Microsoft R&D Ltd - Hyderabad, Andhra Pradesh - March 2006 to September 2010

Product: System Center Data Protection Manager

Features Handled: Setup, Agent Management and Inquiry

Technologies Used: .NET, C#, C++, Windows Installer

Associate Engineer

Emirates Airlines - Dubai - May 2005 to March 2006

Product: New Generation Cargo System, SkyChain

Features Handled: Aircraft, Flight Reservation

Technologies Used: Java, Hibernate and Springs

Product Summary: The New Generation Cargo System (NGCS) is an Internet based solution for Emirates Cargo in terms of cargo reservation, rating, stock control , agreements, routing etc. It aims at providing a consistent service for Emirates Airlines users as well as their agents across the globe.

Activities Involved:

- Involved in implementing web portal for placing flight reservation.
- Implemented Aircraft feature.
- Implemented Flight reservation feature.

Software engineer

MindTree - May 2003 to May 2005

Product: Gevalia.com

Technologies Used: Java, Servlets, HTML and XML

Product Summary: Gevalia.com is coffee marketing company based in USA, which is a sister company of Kraft foods group. Gevalia.com makes easy for its customers to place orders for coffee and other related products.

- New feature requests like adding new support for seasonal coffee programs.
- Developed features and Staged.
- Fixed bugs in Servlets.
- Deployed the web service into ATG Dynamo server.

ADDITIONAL INFORMATION

Technical Expertise:

Technologies/Frameworks: Microsoft .NET framework [...]

COM/DCOM and Java.

Web Technologies: ASP.NET, WCF, ODATA, REST, JSON, ASP.NET, WPF, XML,

HTML and Java Script.

Languages: C#, C, C++ and Java.

Databases: SQL server and Oracle.

Web/Application Servers: IIS, Tomcat, WebLogic and ATG Dynamo server.

Domain Knowledge: Virtualization, Storage Domain (VSS and VDS technologies), Ecommerce, Airline.

Tools: Visual Studio, Eclipse, CLR profiler, WinDbg and NUnit.

Methodologies: Waterfall, Agile and Scrum.

Configuration Management: Source Depot, Team Foundation Server, Perforce.