

Jeremy Danger Dean - Metaverse Engineer

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EXPERIENCE

Over 20 years of corporate experience in Software Development, Web and Windows development, navigation structures, dynamic and static content maintenance, and responsive user interfaces.

SKILLS AT A GLANCE

Blockchain, Unity3D, C#, ASP.NET, Web Forms, MSSQL, HTML5, Javascript, RESTful API's, JSON, Bootstrap, JQuery, Entity Framework, WCF Services, Web Services, AJAX, git, CSS, Responsive Site Development, Telerik Controls, OOP, Photoshop

WEB 3 DEVELOPMENT SKILLS

- Built complete blockchain network and mining app using C# from scratch
- Understand the importance of blockchain security by using blockchain validation such as genesis block validation, chain length validation and difficulty jumping validation.
- Understand the concept of a single block and the necessary components for general blockchain stability and functionality
- Experience implementing P2P network applications utilizing WCF services using the Client/Server and "Pub/Sub" programming patterns
- Able to implement complex rules that determine the constant evolution of difficulty between each mined block in the blockchain.
- Familiar with blockchain hacking concepts such as difficulty jumping and the 51% hack.

UNITY3D DEVELOPMENT SKILLS

- Experience using Third party assets - Opsive, RPG Builder, Synty, Map Magic, Dungeon Architect and more
- Experience downloading and uploading files to external servers using custom code with realtime UI feedback.
- Can connect to custom web api's to download and upload data to and from databases and blockchains.
- Understand the importance of UI to enhance user experiences
- Comfortable animating vectors with regards to delta time and 3D space.
- Experience using GPS to create location-based games and adventures using a mobile device.
- Experience combing AR Kit and GPS to place 3D models in real world space
- Experience using AR Kit to create image targets that trigger events and instantiate overlays and animations when predefined images are detected and recognized.
- Intermediate skills in VR, Oculus Quest and third party assets like VR Interaction Framework to create virtual environments with regard to common issues like unnecessary camera movements, performance limitations and texture optimization.

WEB 2 DEVELOPMENT SKILLS

- Advanced skills in the Microsoft C# programming language with git integration.
- Extremely comfortable with various technologies such as web services, window services, Bootstrap, JQuery, .NET Remoting, XML Serialization and Deserialization, IIS configuration, multi-tiered application architectures, XML-based code commenting practices for documentation generation, multi-threading, forms authentication, etc.
- Advanced skills in the latest Microsoft SQL Server technologies. Able to create complex relational data structures and configure SQL to maintain data integrity by use of constraints, triggers, stored procedures, transaction rollbacks, and cascading deletes.
- Skills in .NET and SQL to create data driven online applications such as login accounts, shopping carts, search engines, email forms, guest books, database page trafficking, credit card processing, and database management tools and much more.
- Extensive HTML5 hard code background. Graphic mapping, forms, frames, tables, etc.
- Modification and implementation of JavaScript to responsive pages, special effects, form mailers, drop down menus, form validation, etc.
- Proficient in web graphic design using the latest versions of Photoshop. Expert usage of Adobe tools: Photoshop, Illustrator, as well as other graphics, media and animation suites such as VUE, Adobe Premiere, Adobe After Effects, etc.
- Fast and accurate web content development. Type 80 WPM with excellent skills using web editor tools such as Visual Studio 2008 and above, Adobe Acrobat to convert DOC, TXT, RTF, or other files to HTML, PDF, etc.
- Very skilled in current standards of web design and web technologies in order to produce professional quality websites with low download times. Skilled in web site maintenance for link assurance, debugging, etc.
- Skilled in ensuring high rankings with all search engines by creating high prominence levels using keywords in meta-tagging, graphic mapping, content, URLs, and html tagging, and more.
- Troubleshooting skills for web design structure in all Windows platforms and in the Windows Internet Explorer, Chrome and Firefox browser environments.
- Content management for sites that exceed 1,000 web pages, with multiple user security roles, object management, frameset management, and much more.

ART PORTFOLIO

- Digital concept art for games and virtual worlds using Photoshop.
 - Please visit: DangerDean.ArtStation.com for a complete portfolio..

EMPLOYMENT HISTORY

03/2016 - 07/2017 [The Global Martial Arts Academy](#) – An online martial arts school with custom payment functionality, subscription services, admin configuration sections, video display, security with permissions and roles, a ticketing system for custom sign ups, integrated discussion forms from scratch, settings pages, profile pages, and much more. *(Letter of recommendation available upon request)*

01/10 - 2015 **Self Employed** - Winchester, CA - FREELANCE
Continued work doing freelance web development and Windows application development for start-up businesses using Microsoft's .NET (C#) and SQL.

5/10 - 12/10 **Konica Minolta** - Long Beach, CA - CONTRACT
Was part of a development team for creating and maintaining a web application capable of filling and configuring print orders.

10/05 - 11/09 **NADA Guides** – Costa Mesa, CA – FULL TIME
Was part of a development team that focused heavily on creating dynamically generated web pages built from a database that could perform for an audience of over 1 million page views per day.

The following are some achievements while working for NADA Guides:

- 1 Designed and built a generic web service factory engine capable of returning XML based data through user authentication. New data methods could be added with one line of code.
- 2 Architected and created a configuration engine capable of reading XML files and serializing them into .NET objects enabling administrators to change web application configurations without restarting IIS.
- 3 Created a generic in-house windows application capable of dynamically reading any web service, analyzing and executing the methods, and displaying the return XML through the use of Reflection.

7/05 - 10/05 **Smart Home** – Irvine, CA – CONTRACT
Part of a development team that develops and maintains in-house web and windows applications in C#, ASP, ASP.NET and VB6.

3/01 - 7/05 **Word & Brown Insurance Administrators** – Orange, CA – FULL TIME
Have played an integral part in the development and maintenance of several web site and Windows forms related projects involving various technologies.

The following are some achievements while working for Word & Brown:

- 1 Designed and built a secured "Single Sign-On" model to allow users from one web site to log in to another site without the need to re-enter user credentials using .NET Web Services.
- 2 Created a .NET themes engine in C# for allowing brokers to configure their own look and feel for their customers, including customized logos, font colors, and the creation of custom images using GDI.
- 3 Integrated a third party user security model that made use of role-based permissions and groups.
- 4 Created a Newsletter generation tool for the marketing department to create template-based newsletters and send them to thousands of email recipients.