Charles J. Heuser III

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**Professional Summary**

An accomplished software engineer specializing in object-oriented design with extensive experience in the software development life cycle including requirements determination, proof of concept /prototyping, design, implementation, testing, maintenance, and support. Maintains strict attention to client requirements; adapts quickly to changing needs.

**Technical Summary**

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|  | **Languages**  Proficient in: C#, JavaScript, JQuery, JQuery UI, Knockout JS, HTML/ XHTML, XML, XSL, JSON, CSS, T-SQL, PLSQL  Familiar with: HTML5, CSS3, Bootstrap , Backbone, AngularJS , LUA, PHP  Concepts: OOP, OOA, UML, ORDBMS, HTML DOM, XML DOM, MVC, MVP, MVVM, AJAX, ECMA Design Patterns, SPA, COM, DCOM, N-TIER, SOA, Logical Layers, TCP/IP, IPV4, Serial Communications  **Software**  Database: Microsoft SQL Server 2008, Oracle 11g, Microsoft Access, Apache Derby  Platforms: Windows Server 2008, Microsoft Windows® 2000, Windows 7, Windows XP, Windows Vista, Windows 98, Windows 95  Framework and Platforms: .Net 1.1 - 4.5, WCF, ASP.Net Web Forms, ASP.Net MVC 4-5, WEB API, ASP.Net Web Services, ADO.Net, Entity Framework 3.5 - 5, Telerik RadControls for ASP.Net. |

**Professional Experience**

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| **Senior .Net Developer (Contractor)** | **2013-Present** | | |
| Department of Homeland Security (DHS) - August 2013 - Present   * Current responsibilities include planning, research, requirements gathering, design, implementation, deployment , and maintenance of enterprise-level inventory management system and internal business systems. * Continuous ASP.Net Web Application development in C# * Analysis, engineering, and implementation of business processes within system's business logic and services layer. * Proof of concept, prototype development, and implementation of system components for reuse among application modules. * User Experience (UX)/ User Interface design and development using industry standardized and accepted client-side languages, design patterns, practices, methodologies, and frameworks -e.g. JavaScript, JQuery, JQuery UI, Knockout JS, Backbone JS, ECMA Standard Design Patterns and Architectures * ASP.Net WebForms User Interface design and development using Telerik RadControls , ASP.Net Web Controls, User Controls and Custom Components. * Provides full support of system's architecture e.g. User Interface, Services, Business Logic Layer, and Data Access Layer * Maintains documentation regarding systems architecture and upkeep of application artifacts * Retains a TSA Public Trust Clearance | | | |
| **Independent Contractor, Consultant** | **2007-2013** | | |
| Focus on short-term development contracts and freelance work while being a fulltime student and father. Participated in the planning, design, implementation, maintenance, and support of contracted desktop and web-based applications. Example clients and contracts include:  Pacesetter Reality, Inc. - October 2008 - 2013  *IT Consultant , Software Engineer (Web-based Applications Development)*   * Responsibilities include planning, research, design, implementation, and deployment of corporate website, corporate portal, and internal business systems. * Created mortgage calculator and amortization schedule building component (web part) for real-estate listing engine and corporate portal. * Support and Maintenance of internal systems * Consulted on change management strategies in regards to Internet and media marketing. * Transition and adoption of current technological practices and standards in regards to IT infrastructure and enterprise-level system and applications architecture.   Seton Associates, LLC - October 2009 - April 2010  *IT Consultant, Software Development Specialist*   * Participated in audit and analysis consultation for intellectual property lawsuits and copyright infringement claims. Decompiled and 'clean room' reverse engineered applications for comparison. Reengineered and defined artifacts package based on reverse requirements gathering. Interpreted obfuscated source materials. * Maintenance and support of internal business systems.   Transaction Payment Systems - January 2008 - August 2008  *Contract Software Engineer*   * Primary responsibilities include research, design, and implementation of NTCharge Win 32 Credit Card Terminal to work with existing HDC specifications. * Business Object design and development for use with user management, transaction management, peripherals, configuration, and reporting. * Entity modeling and database design. * Designed and developed custom widgets for use with user interfaces, such as, drop down menus, navigational tools, listing, and sorting * Developed USB API and Reusable Components for Magtek Card Readers and Hypercom P1200 Pin Pad using C# and shell. * Developed Serial Components for Dial-UP and TCP-IP Communications using C#, shell, and serial communications components. | | |  |
| **Senior Software Developer** | **2005-2007** | | |
| Transaction Payment Systems   * Primary responsibilities include design and development of Job Control and Outboard utilities for boarding data. * Documentation and Designs of existing in house products. * Entity modeling and database design. Creation of custom stored procedures * UML modeling of existing business objects libraries. * Research, Design, and Development of job management application-clearing/settlement tool; Job Control * Created business object model in C#, which acted as a framework for company wide application development. * Modified existing applications and utilities used in internal credit card processing system using C# * Designed and developed Threading Management system for use with existing applications using C# | | | |
| **Senior Software Developer** | **2001-2002** | | |
| Proscape Technologies   * Developed prototypes of Sales Presentation (ShowBuilder4.0), User Management (UserManager4.0), Electronic Resource Management (Encyclopedia 4.0), and Portal Product (Web Portal 4.0), which provided a framework for version 4.0 software to be created and to test initial object and design concepts. Prepared Personal designs for the application from company documentation. * Defined and implemented standard for the creation of VB/HTML based widgets to be used through the application. Developed prototypes for Drop Down Menus, Toolbars, Folder Trees, Calendars, and Dialog systems, without having to utilize ActiveX controls. Widgets are based off of VB objects that can be defined on the server, and spit their contents to the browser as XML. The XML is then transformed with an XSL Style Sheet, driven by JavaScript to create Dynamic HTML based widgets. * Tested and implemented company created tools and APIs for version 4 software. * Lead Developer on Electronic Resources version 4.0,4.0 SP1, 4.1. Responsibilities included scheduling, implementation, and the creation of the application from company design documentation, personal design documentation, business requirements documentation, use cases, UI concept drawings, and Prototypes. Assisted quality assurance department in the testing of application (i.e. bug fixes, enhancements, design related changes) | | | |
| **Project Coordinator, Team Lead Programmer** | | **1998 - 2001** | |
| Custom Software Solutions  Oversaw the planning, design, implementation, and support of desktop and web-based applications. Designed and developed HTML creation utility, in C++ and Visual Basic, to facilitate the creation of e-business systems, such as shopping carts and POS applications.   * Created custom shopping carts with relational database systems (ORACLE, SQL), Membership systems, Client / Customer Management Tools, Transaction Management w/ Reporting features, Reporting/ Demographic Packages, Real Time Credit Card Terminal w/ Easy Merchant Access. * Database Development (Oracle, SQL server) – relational databases developed in various formats for use with Websites, Retail Systems and Customer Management Systems for Internet, Intranet, and Windows based programs. * Windows Application Development (C++ and Visual Basic 5-6.0) – Database Management Tools (DAO, RDO, ADO) for use, as server components, with Web Based Retail System. Custom Data Components Package (DLL) and Type Libraries Accounting Suite / Business tools w/ component Package for Visual Basic. Prototype Development * Clients Include – Sheraton Hotels, Lab Automation Systems, Lastdogstanding (GWBush4President.W.INY2K) * Graphic Design (3D / 2D graphics, 3DS MAX modeling, Adobe Photoshop and Premier, Logo Design, Web Site Content Creation, Banners and Advertising, Product Representations) | | | |
| **Junior Program Analyst** | | **1996-1998** | |
| Reiter Associates Web Hosting  Participated in the design, implementation, testing, maintenance, and support of company developed customer management system.   * Developed and Implemented Web Based Customer Service System written in Visual Basic 5.0 and Active server pages. * Developed and Implemented Automated Recurring Billing System with ICVERIFY Software Terminal, ICV SDK, MS Access, Microsoft Visual Basic 5.0 * DHTML (JavaScript) Development for company and client websites * E-Business Planning, Design, Development, and Setup | | | |

**Education**

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| **University of Phoenix** | 2009-2013 |
| *Phoenix, Arizona*  Information Technology / Software Engineering, Bachelors of Science (BSIT/SE)  Final GPA: 3.96 - Honors | |
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