

OUSMANE LOUM

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SENIOR SOFTWARE DEVELOPMENT ENGINEER & MANAGEMENT PROFESSIONAL

Software Development Engineer with 7+ years of solid experience in the Microsoft Technologies. Well versed in the design and development of Web, Mobile and Cloud applications in a fast pace environment. Solid track-record of delivering projects successfully while being involved in all phases of the software development lifecycle. Successful in application of software design patterns and best practices such as MVC, MVVM, Repository and Abstract type patterns, Test Driven Development, Agile with Scrum, to cite a few. Persistent in providing creative new problem solving methodologies and improving performance through continuing education, meet ups, conferences, code camps and peer to peer code reviews. Proven leadership in a variety of project roles such as project lead, scrum master, developer and foster team collaboration. I am passionate about technology and carry excellent organizational skills, along with well-defined quality to ramp up quickly and learn new things.

AREAS OF EXPERTISE

- Software Development Lifecycle
- Information Assurance
- Software testing
- Project Management
- Research & Analysis
- IT Governance
- Excellence in Communication
- Reports & Documentation
- Dedication, Integrity

SELECTED PROJECT HIGHLIGHTS

State of Montana PSC Intranet

- End-end multi client SOA system using multitude of technology such as WCF, WEB API, MEF, ASP.NET MVC, knockoutJS, and WPF
- Utilization of various techniques: patterns of abstraction, reusability, and testability among all layers of the system
- The Data Access layer is designed using Repository and Abstract Factory type patterns
- Incorporate Dependency Injection throughout from the Data Layer all the way to the Service Layer with some DI aware proxy classes using MEF to ensure the testability of the system
- Addition of security for the WCF services in number of way. Not only securing the usage of the service operation but also added an additional security check for the data that is being retrieve. All WCF services were properly unit tested. Added Abstract Factory pattern to the proxy layer.
- Development of a fully responsive user interface website in a style of a Single Page Application (SPA). Using (ASP.NET MVC, KnockoutJS, and Bootstrap). It also incorporates user authentication. It uses WEB API and jQuery.
- Creation of a WPF Desktop application using the MVVM pattern as well Dependency Injection
- The system was implemented with Agile Methodology. I have managed all the projects tasks and deliverables. Facilitate the Scrum meetings, track of products backlogs, team velocity and daily burndown chart, assign tasks to developers and while monitoring of progress.

State of Montana PSC Online Services

- A web application system developed using C#, ASP.NET MVC4, WEB API, Entity Framework Code First 4.1, Modernizr, HTML5 Boilerplate, CSS3, JavaScript Revealing Model Pattern, KnockoutJS and jQuery.
- Implementation of multiple data views that support drag and drop tiles using the idea of context-aware tile. Everything is Ajax-Enabled. The application load once and all the calls are made behind the scene.
- It uses a custom API base controller with Attribute routing.
- A defined Pattern for all WEB API action with the embracement of HTTP along with some proper error handling.
- The Data Access layer is designed using Repository and Abstract Factory type patterns.
- Incorporate Dependency Injection throughout from the Data Layer all the way to the Service Layer with some DI aware proxy classes using MEF to ensure the testability and extensibility of the system.
- Addition of security for the WCF services in number of way. Not only securing the usage of the service operation but also added an additional security check for the data that is being retrieve.

PROFESSIONAL EXPERIENCE

SR. SOFTWARE DEVELOPMENT ENGINEER / IT MANAGER

STATE OF MONTANA | 2012 – Present

- Facilitate all planning, directing, and overseeing of the entire software development process lifecycle
- Oversight of technical direction on building SOA based enterprise software components using WCF/ WEB API / Dependency Injection/ EF/ JavaScript/ jQuery/ CSS CSS3/ HTML HTML5/ C#/ ASP.NET MVC/ Razor
- Oversight of agile software development process, working with various line of business, program managers and division Administrators on requirement / design / integration of software components. In addition
- Monitor current web trends and suggesting improvement to current services, recommending strategic direction, web policy standards and enforcing security policies.

SR. COMPUTER PROGRAMMER

STATE OF MONTANA | 2010 - 2012

- Major responsibilities consist of developing and maintaining software code for enterprise applications written in several of programming languages included, but not limited to: JavaScript/ jQuery/ CSS CSS3/ HTML HTML5/ C#/ ASP.NET MVC/ Razor/ WCF/ WEB API.

PROGRAMMER ANALYST

UNIVERSITY OF IDAHO | 2008 - 2010

- Provided maintenance and support of the CollegeNet Series 25(R25 and X25) infrastructure
- Facilitated assessing needs, analyzing requirements, coordinating acquisition/development, and integrating SunGard SCT Banner, Third-Party, and developed Applications as needed
- In addition, assisted with the integration and support of the current Third-Party and UI developed Applications

COMPUTER SUPPORT SPECIALIST

UNIVERSITY OF IDAHO | 2007 – 2008

- Provided technical support to all CDHD staff on all assigned software, hardware and network products using knowledge and theories of computer sciences and of University of Idaho computer policies and standard
- Installing, generating, configuring, de-bugging, troubleshooting and maintaining assigned off-the-shelf and department created software packages, printers, scanners, CD-ROM drives, and various communication peripherals

EDUCATION & DEVELOPMENT

University Of Idaho, Moscow ID, Computer Science | 2009
 Penetration Testing
 Computer Forensics
 Information Assurance
 Software Engineering
 Technical Writing

TECHNICAL PROFICIENCY

.NET	C#, .NET, WCF, Web API, MEF, Entity Framework, AutoMapper
Web Development	ASP.NET MVC, Razor, JQuery, AJAX, HTML/HTML5, JavaScript, Knockout JS, CSS/CSS3
Database	MS SQL Server, MongoDB
Environment	IIS, TFS, Visual Studio
Design & Architecture	MVC, MVVM, SOA, OOD, Design Patterns, Enterprise Architecture, Distributed Systems, TDD