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# // TEWODROS AYELE ASSEFA

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## // FULL STACK DEVELOPER

Talented .NET developer with 7 years of hands on experience streamlining all phases of software development life cycle while leading web-based programming. Ensure maximum performance and functionality of applications by performing tests and establishing maintenance plans. Skilled in implementing agile methodologies as well as C#, ASP.NET MVC / WebForms, AJAX, WCF, SharePoint, and design patterns. Implement high performance web applications using latest frameworks, technologies, and SDLC as per client's custom-tailored requirements.

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Software Development ● Requirements Analysis ● Testing ● Deployment ● Database Design ● User Interfaces ● Security Integration

**Languages:** C#, JavaScript, TypeScript, PHP, Java, SQL

**Web:** ASP.NET Core / ASP.NET MVC / WebForms, MongoDB, Express, Angular, Nodejs, WCF, HTML5, CSS3, SASS, REST, SOAP, DotNetNuke, Silverlight, Spring MVC, JSP, JSF, DevExpress, Kendo

**Mobile:** Xamarin, ionic, Cordova

**Databases:** SQL Server, MySQL, MS Access, SQLite

**Tools:** Visual Studio, VS Code, SQL Server, Team Foundation Server, GitHub, Adobe Photoshop, Gimp, Wamp / Xampp, Eclipse, NetBeans

**Platforms / Cloud:** Azure, Firebase, Windows, MacOSX, Linux

**Design Patterns:** All Design Patterns in GOF, MVC, IoC, Front Controller, n-tier

**Frameworks / Libraries:** Entity Framework, Caliburn.Micro, jQuery, Bootstrap, Hibernate, Spring\*

**SDLC:** Agile-Scrum, Spiral, RAD

## // PROFESSIONAL EXPERIENCE

### **Lincare Holdings Inc., Clearwater, Florida** – *Web Developer*

April 2016 – PRESENT

Lincare Holdings Inc. is a provider of oxygen and other respiratory therapy services to patients in the home.

I developed different parts of one of the biggest projects in the company, LITE (Lincare Integrated technology Enterprise). I developed a number of services and web applications and report. I also worked on the new FSM project. Also worked on other stand alone projects.

**Technologies used include:** C#, JavaScript, TypeScript, Angular, jQuery, Dynamic CRM 365, Resco Mobile CRM, ASP.NET MVC and ASP.NET Core MVC, HTML5, CSS3, REST, SQL Server, Visual Studio, Serena Version Control, TFS, Adobe Photoshop.

- **Migrated 13 websites** including Lincare corporate website to DotNetNuke
- **Inventory Collection** – Developed inventory management system that is used to keep track of medical machines in several location of the company.
- **LITE (Lincare Integrated Technology Enterprise)** – The companies one of biggest project to transform the current IBM AS400 system into a new centralized system. I developed parts of the project including **Customer Account Notes**, **CBA (Competitive Bidding Area)** and **FSM Dynamic CRM 365**
- **Other Projects** include **AppLE (Application Library Exchange Application)** and **Dynamic Reports**

## **SICS IT Outsourcing, Addis Ababa, Ethiopia** – *Software Developer*

December 2013 – June 2015

Outsourcing company specializing in software development, website / graphic design, SEO, and branding.

Implemented agile methodologies through all phases of software development life cycle including requirements analysis as well as application development, testing, and deployment. Established maintenance plans to ensure optimal performance and functionality. Initiated database and user interface design. Created various websites and web applications while designing security features and payment methods.

**Technologies used include:** C#, PHP, JavaScript, AngularJS, jQuery, Bootstrap, Silverlight, ASP.NET MVC, HTML5, CSS3, REST, SOAP, SQL Server, MySQL, Microsoft Visual Studio, Microsoft SQL Server, Wamp / Xampp Server, Microsoft Team Foundation Server, GitHub, Telerik, Adobe Photoshop, Microsoft Windows.

- **CloudX's APSmart:** Led redesign to enhance functionality of HTML5 web application. Technologies used include ASP.NET MVC, SQL Server.
- **Tenant Management System:** Developed and launched web-based application. Technologies used include: ASP.NET MVC, SQL.
- **Dynamic Websites:** Designed and implemented numerous dynamic websites including Solution Mining, JaRco, Atelefugne, and Home Care Exchange. Technologies used include: PHP, MySQL.
- **Muday Gift Shop:** Created one of the biggest ecommerce web applications in Ethiopia. Technologies used include PHP, MySQL with PayPal payment method.

## **AYKA Addis Textile and Investment Group, Alem Gena, Ethiopia** – *Analyst/Programmer*

February 2011 – December 2013

Textile factory with IT department tasked with developing and managing web application to automate operations.

Led development, testing, and deployment of web-based applications while implementing agile methodologies. Integrated security features and designed databases. Maintained applications by analyzing performance and functionality. Initiated automation of factory systems using fully functional web application. Developed automated process to document employee attendance and generated payroll by incorporating biometric fingerprint reader.

**Technologies used include:** C#, JavaScript, jQuery, Silverlight, ASP.NET Web Forms, WCF, HTML5, CSS3, SOAP, SQL Server, Microsoft Visual Studio, Microsoft SQL Server, Microsoft Team Foundation Server, DevExpress, Adobe Photoshop, Microsoft Windows.

- **Human Resource Management and Payroll System:** Led comprehensive automation of manual system for more than 7,000 employee records. Designed automation of payroll with more than 70 report generations.
- **AYKA Soft:** Developed textile factory master production planning system with integrated interactive Gantt chart and reports.
- **Purchasing and Logistics System:** Created system to coordinate local and foreign purchases with import and export tracking.
- **AYKA Addis Clinic System:** Designed system to document patient records as well as leave and drug stock.

## **eSystems Africa, Addis Ababa, Ethiopia** – *Web & Desktop Applications Developer*

February 2010 – February 2011

Leading IT solution provider in Ethiopia specializing in development and implementation of online applications.

Performed requirements analysis for web and desktop projects. Implemented and maintained various websites. Designed database and security features. Generated and published website content.

**Technologies used include:** C#, JavaScript, ASP.NET Web Forms, HTML5, CSS3, SharePoint, DotNetNuke,

SQL Server, Microsoft Visual Studio, Microsoft SQL Server, DevExpress, Artisteer, Adobe Photoshop, Adobe Dreamweaver, Microsoft Windows.

- **Ethiopian Government Portal:** Tested, launched, and maintained government portal using SharePoint server.
- **Ministry of Women's Affairs Website:** Designed and implemented site using ASP.NET Web Forms.

## // ACADEMIC PROJECTS

- **FinCo, Financial Company Framework, Maharishi University of Management:** Developed framework with bank and credit card implementations to take advantage of full power of object oriented programming using numerous design patterns. Technologies used include: Java, Spring Framework.
- **Course Switch, Maharishi University of Management:** Programmed fully-functional block course switching system in 2 versions, Spring MVC and JSF. Technologies used include: Java, JSF, JSP, Spring\*, AngularJS, Bootstrap.
- **Library Management System, Maharishi University of Management:** Created library management desktop application. Technologies used include: Java with JavaFX using Scene Builder with CSS, MySQL, and Eclipse.
- **WebTrans, Bahir Dar University Engineering Faculty:** Designed and implemented web browser with English-Amharic translation capability. Technologies used include: C#, XML.
- **Chess Game, Bahir Dar University Engineering Faculty:** Developed 2-player chess game with 2D user interface and fully integrated game rules. Technologies used include: C#.

## // PROFESSIONAL DEVELOPMENT

- Microsoft Certified Professional
- Microsoft Specialist: Programming in C#
- Microsoft Specialist: Programming in HTML with JavaScript and CSS3
- Microsoft Office SharePoint Server Configuration and Application Development Training
- Microsoft Dynamic 365 FSM Training
- ADX Studio Training
- Resco Mobile CRM Training

## // EDUCATION

### **Maharishi University of Management** – *Master of Science in Computer Science*

July 2015 – March 2018, Fairfield, Iowa

**Key Courses** – Modern Programming Practices, Algorithms, Advanced Software Development, Web Application Architecture, Enterprise Architecture, Computer Security, Big Data, Operating Systems, Computer Networks

### **Bahir Dar University Engineering Faculty** – *Bachelor of Science in Computer Science*

September 2006 – July 2009, Bahir Dar, Ethiopia

**Key Courses** – Object Oriented System Design and Programming, Advanced Programming, Internet Engineering, Software Engineering, Database Management System, Design and Analysis of Algorithms