

# Ayush Shrestha

(217)-904-3066 || [iamayushshrestha@gmail.com](mailto:iamayushshrestha@gmail.com) || <https://iamayushshrestha.github.io/>

## Technical and Analytical Skills

---

**Proficient in programming languages:** Java, C++, C, Python, C#, SQL

**Experienced in web technologies:** JavaScript, XML, HTML/HTML5, CSS, PHP, JSON, Apache Sling, WCF

**Familiar with application servers:** Tomcat, Apache Webserver, AEM 6.5, Microsoft Azure cloud

**Database and tools:** Oracle, SQL Server, Google Firebase, RDBMS, Java Content Repository (JCR)

**Proficient in version control:** Git, CVS, Windchill, MDM

**Experienced with operating systems:** UNIX, Mac OS, Windows 2000/XP/7/8/10/11

**Skilled in remote support:** LogMeIn, GoToAssist, TeamViewer, Windows Remote Connect

**Networking:** LAN, VPN, Network Switches and Routers, IP Printing, RDP, PC shared drives

**Familiar with telecommunications:** Avaya, Cisco

**Skilled in frameworks:** .Net Framework, Bootstrap, React, Node.js, OSGI

**Proficient in IDEs:** Visual Studio, IntelliJ, NetBeans, eclipse

## Employment History

---

### Software Engineer PC Programmer, Elettric80 Inc.

05/2021 to Current

- Designed and implemented applications using **C#, SQL**, and **.Net Framework** for warehouse automation
- Developed software for existing equipment and systems such as **LGVs, palletizers, and WMS**
- Integrated WMS and LGVs system logical communication with **PLCs** through OPC server
- Strategically integrated **WMS** with **ERP** software such as **SAP** and **JD Edwards**
- Deployed and maintained software using public clouds such as AWS or Azure
- Utilized **WCF** to meet client **GUI** standards
- Utilized API tools such as **Postman**
- Debugged and troubleshoot production software for bugs and reliability issues
- Implemented **MVC design pattern** and software infrastructure
- Worked with Microsoft **DCOM/distributed** systems
- Deployed software as **Windows Service** for high availability and high performance
- Utilized **WebApi** for scalability and data transfer to third party software
- Developed software applications using relational and NoSQL databases.

### Backend Software Developer (Contractor), Itrending Solutions

02/2021 to 06/2021

- Worked with **OSGI, Apache Sling, HTL, and JCR**
- Integrated **HTML/JS/CSS** developed by front-end developers
- Deployed software using **CI/CD tools** such as **Jenkins**.
- Implemented application architectural patterns, such as MVC, Microservices and Event-driven
- Experienced with **AEM 6.3** and higher versions
- Exposed and integrated using **Java 8, JEE, servlets, and web services, Restful API**
- Understood deployment architecture and development-to-production deployment execution

### Software Developer (Intern), Comau

08/2020 to 12/2022

- Migrated **ROS1** packages to **ROS2** (GitHub: <https://github.com/comau-na/edo-ROS2>)

- Utilized **ROS1 Bridge** for message passing to the robot
- Migrated process through **C++14** for enabling machine learning algorithms
- Collaborated as a team to create a development plan, software requirement specification, design specification, and test plan for the system

#### IT Assistant, Science Hall- Wayne State University

10/2019 to 12/2020

- Provided functional and technical support, troubleshooting **hardware and software** problems and **remote** systems.
- Problem solving regarding Networking and Active Directory.

#### Education

---

##### Bachelors in Computer Science

Wayne State University

Graduation: Dec 2020

##### Masters in Business Administration (MBA)

University of The People

Graduation: Mar 2023

#### Activities and Involvement

---

##### 1. Smartphone Application

- Led a team in the **full stack** software development life cycle
- Created a **scalable middle-tier** development environment using **JSP** and **Servlet**
- Utilized **Agile** methodology (**SCRUM**) in a team environment
- Used client-side technologies such as **JavaScript**, **HTML**, **XML**, and web services
- Implemented **JUnit** testing

##### 2. Computerized billing system of a hospital

- Applied **inheritance**, **polymorphism**, and classes using Java
- Developed workflow and integrated programming codes

##### 3. First-person shooter game in Unreal Engine

- Used Blueprint to create graphics and gaming functionalities
- Researched on scholar resources for forecasting gaming performance growth

##### 4. Website using HTML and CSS

- **GUI** manipulation.
- Client-side technologies such as **JavaScript**, **HTML**, **XML**, **Web services** etc.

✦ Certification on The Fundamentals of Digital Marketing (Google 2019).

✦ Volunteered at Collider Altimetrik as JAVA Tutor (2020).