MILAN BHANDARI

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OBJECTIVE

To add a new dimension to my career with work experience in the software engineering field in a well-reputed organization. Seeking an opportunity where my skills would be maximized for individual, organizational, and social benefit.

EDUCATION

Villanova University, Villanova, PA   **Expected Dec 2019**
Master of Science in Software Engineering, Current Cumulative **GPA: 3.89/4.0**
Scholarship: **Graduate Assistantship**

St. Xavier's College, Tribhuvan University, Kathmandu, Nepal   **Oct 2011 – Dec 2015**
Bachelor of Science in Computer Science and Information Technology, Cumulative **GPA: 4.0/4.0**
Scholarship: **Merit-based Scholarship**

WORK EXPERIENCE

Graduate Assistant, **Department of Computing Sciences, Villanova, PA**   **Jan 2018 – Present**
- Assist professors in grading and managing classes of approximately 65 students per semester.
- Upgrade different departmental sites using **PHP, MySQL, JavaScript, HTML, CSS.**

R&D Intern, **TA Instruments, Waters Corporation, Newcastle, DE**   **May 2019 – Aug 2019**
- Developed real-time data streaming and analyzing system using **Kafka, MQTT, memSQL, pipeline, Tableau, AWS Greengrass Core, and AWS Sagemaker for Machine Learning.**
- Researched, enhanced, and documented the usage model and the steps taken for configuring **Ubuntu server** using **Docker containers**.
- Worked cross-functionally with Firmware platform and Software teams to aggregate instrument signal descriptors; created and populated **memSQL** tables with aggregated data.
- Actively participated in team meetings and in vendor meetings and training sessions.

Software Engineer/IT Consultant, **National Planning Commission (NPC), Government of Nepal, Nepal**   **Sep 2017 – Dec 2017**
- Collaborated with NPC team for upgrading Project Performance Information System (PPIS) and provided maintenance, support, and training to users of different ministries.
- Redesigned UI layouts to enhance user experience and improved **user manual** documentation.
- Achieved goal of involving all 22 ministries to use the PPIS system.
- Initiated **Agile methodologies** in the team for responding to changes and gathering feedbacks.

Technical Support Analyst, **Department of Civil Registration (DOCR), Ministry of Federal Affairs and Local Development, Government of Nepal, Nepal**   **Mar 2017 – Sep 2017**
- Implemented Vital Event Registration and Social Protection Allowance Management Information System (VERSP-MIS) with DOCR team on more than 800 local bodies of government.
- Led team of 5 people to assist design, development, and **testing (unit, integrated).**
- Provided remote support to 15 users per day on average solving their concerns and complaints.

Freelance Web Designer/Developer, **Pix Cells, Kathmandu, Nepal**   **Jul 2016 – Dec 2017**
- Designed and developed **responsive websites as full stack web developer** for various client organizations meeting requirements and business goals.

Software Engineer/Database Assistant, **Udan Software Pvt. Ltd., Kathmandu, Nepal**   **Jul 2014 – Mar 2017**
- **Database Migration:** Decreased workload of migrating UN's Micro-Enterprise Development records from Access to **MS SQL** by 5% with Microsoft SSMA tool.
- **Polyclinic Management:** Led team of 6 developers to build CMS, dynamic menu and report generating modules using **C#, .NET, MS SQL, Web API, JSON, Git, GitHub.**
- **V-Profile:** Designed and implemented a module to grant permissions to different level of users and a module to generate reports using **.NET, Crystal Report, JavaScript, SQL Server.**

SKILLS

- **ASP.NET with C# (MVC), PHP, REST, SOAP, JSON, XML, Web API**
- *Familiar with* **JAVA, C, C++, Ajax, Agile, SDLC, AngularJS, React, Electron, AWS, Kafka, Spark**
- Databases: **MySQL, MS SQL, Oracle, memSQL**
- Front end web technologies: **Bootstrap, jQuery, JavaScript, CSS, HTML**
- IDEs: **Eclipse, Microsoft Visual Studio**
- Other Tools: **Enterprise Library 5.0, SQL Server Management Studio, XAMPP, IIS, Git, Entity Framework, Crystal Report, Trello, Framer X, Postman, Slack, Docker, Sublime, Jenkins, Tableau, JIRA**
- Capabilities: **debugging, prototyping, requirement analysis, testing, documentation, time management, working under a strict schedule, team adaptability, quick learning and implementing**
- Languages: English (Fluent), Nepali (Native), Hindi