**Mahendra Duwal Shrestha**

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**SUMMARY**

A software engineer with 2.7 years of professional industry experience in C#, Asp.Net MVC, Java, Grails. Proven abilities in analysis, test driven development and multi-tiered web application development. 2.9 years of research experience in developing computational simulation programs involving cluster computations in C/C++.

**EDUCATION**

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| **MS in Computer Science,** The University of Tennessee, Knoxville, GPA: 3.88  *Major courses taken*: Computer Systems Organization, Software Systems, Algorithms, Introduction to Pattern Recognition, Databases and Scripting Languages, Applied Cryptography, Distributed System Algorithms  *Thesis:* Efficient Simulation Of A Simple Evolutionary System | |  | | *2014-2017* |
| **BE in Electronics and Communication Engineering**, Pulchowk Engineering Campus, Tribhuvan University, Nepal, GPA: 3.8 |  | | *2007-2011* | |

**SKILLS SUMMARY**

* Programming Language: C#, C, C++, Java, Javascript
* Technologies: ASP.Net, ASP.Net MVC, HTML5, Grails, Ajax, Jquery, JSON,

Web services, WCF services, REST, SOAP, Hibernate, Entity Framework, LINQ, Spring MVC

* Version Control: git, TFS, subversion
* Databases: MYSQL, MSSQL
* Tools: Visual Studio, Eclipse, IntellijIdea, Net beans, Resharper, TortoiseSVN, Emacs, Latex,
* SDLC: Waterfall, Agile methodology
* Platforms: Linux, Windows, Unix
* Unit testing: Nunit, Junit, Spock

**EXPERIENCE**

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| ***Graduate Teaching / Research Assistant*** *, The University of Tennessee, TN* |  | *8/2014 – 2017* |

* Graded assignments and projects, and tutored for undergraduate classes 'Algorithm Analysis and Automata' and 'Software Engineering' during academic year 2014 - 2015
* Developed programs for simulations of mathematical models and plotting graphs using **C/C++** and **gnuplot** for Dr. Sergey Gavrilets in Ecology and Evolutionary Biology Department during 2014 – 2017
* Used cluster computing for simulations and fixed maintenance issues in the cluster

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| ***Software Engineer****, Deerwalk Services Pvt. Ltd., Nepal* |  | *1/2012 – 7/2014* |

* Developed web applications using objected oriented programming and **agile** methodology for health care system management in US using **ASP.Net, ASP.Net MVC** and **C#**
* Implemented N-tiered application layers; used Entity Framework in data access layer and used web / WCF services in business layer
* Designed and developed database schema and stored procedures in **MSSQL**
* Developed and maintained US health care system management web application modules using **Grails** framework
* Worked with RESTful web service in Grails application
* Designed and developed database schema, scripts and stored procedures in **MYSQL**
* Led developer's team for development and optimization of generic **MYSQL** scripts for importing staged data from multiple clients into company's product's database system