

## Contact

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(Personal)

## Top Skills

MVC

.NET

Web Applications

## Languages

Nepali (Native or Bilingual)

English (Full Professional)

Hindi (Professional Working)

## Certifications

Enterprise Design Thinking  
Practitioner

Docker Essentials: A Developer  
Introduction

The Data Scientist's Toolbox

IBM Agile Explorer

Oracle Certified Associate, Java SE  
7 Programmer

## Publications

User Categorization On Unstructured  
Data from Drupal Forum Using Text  
Clustering

# Subash Paudyal

Senior Software Developer at IBM  
Toronto

## Summary

- 10 years of experience in broad field of IT and Software Industry, specifically on health, telecom, and academics domain
- 5 years of sound knowledge in .NET web development stack, using C#, ASP.net, MVC, Entity Framework, WCF, REST, LINQ and reporting tools like SSRS.
- Good exposure with various Relational database management such as MS SQL Server, MySQL, Oracle, Postgres, etc.
- Hands on practice on handling the core business/domain functionality through stored procedures and writing stored procedures as required to generate reports and analytics.
- Good experience with mobile development using Java and native android.
- Familiar with Frontend developments using HTML5, CSS, JQuery, Kendo, Bootstrap
- Microsoft Unit Test, Moq and Fakes framework
- Hands on practice with devops tools like Git, Jira, Jenkins, MS builds, etc and development/debugging tools as Visual Studio, Android Studio, VS Code, Fiddler, Postman, etc.
- Familiar with Microsoft Cloud Solution such as Azure
- Practice Agile/Scrum process by participating daily scrum, retrospective, planning, and demo
- Strong understanding of Object Oriented development, UML tools and common software architectural and design patterns
- Solution Specialist in Telecom Software Platforms (International Roaming, Billing & Invoicing, Customer Care, Fraud Management, Document Management)
- Quick learner, Pay attention to details and task-oriented
- Ability to work independently as well as in team meeting project deadlines
- Acquaint with big data approaches to data mining, machine learning, web semantics using Python and R programming

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## Experience

## IBM

3 years 9 months

### Senior Software Developer

September 2019 - Present (2 years 9 months)

Greater Toronto Area, Canada

- Part of a team working on a noble work of infusing cognitive features into medical imaging solutions, with a goal of providing AI enhanced Enterprise Imaging products, being a leader in such integration. It is obviously the next gen viewer to provide users with a delightful clinical workflow experience.
- One of the Key contributor on design and development of this AIViewer advisor panel which helped radiologists to perform rapid and informed diagnosis of liver and prostate tumors.
- Worked with generation of Radiotherapy object (RTSTRUCT i.e. patient space) which are vital input for the radiologists on taking biopsy wherever there are prostate findings observed in the file.
- Enhancement of existing Imaging Viewer to show the fusion DCE and Parametric Map objects on top of base Axial images
- Support architect by participating in design reviews, prepare architecture documents, and reviewing codes to maintain optimal quality.
- Dev-ops focal for the team. Integrated client/server unit tests, coverage reports, and code quality tools (i.e. sonarqube) in build pipelines. Lead the team on toolchains upgrade, such as git migration, and angular upgrades.

### Software Developer

September 2018 - September 2019 (1 year 1 month)

Greater Toronto Area, Canada

- A key player on small team for Eye Care PACS Viewer and Archiving System [<http://www.merge.com/solutions/eye-care/merge-eye-care-pacs.aspx>]
- Undiscovered code smells and design issues to the attention of architect, took the lead and resolve these issues providing enhanced performance.
- Design and Implement Image Gateway Load Test Simulator Tool to produce and analyze the heavy gateway traffic and memory usages
- Refactored the legacy build commands with MS Build and PowerShell scripts supporting scalable component deployment.
- Participate in risk management activity by identifying software design and process mitigations, preparing risk and usability matrix, evaluating SOUP anomalies, following ISO-14971 - 2012 and IEC/TR 80002. This eventually helped QA and internal auditors for generating MDSAP deliverables, and meeting FDA regulations.

## Fio Corporation

### Software Developer

May 2016 - September 2018 (2 years 5 months)

Toronto, Canada Area

- ASP.net web application development using new features and technologies
- Generate client custom reports using relational database queries, procedures, and SSRS tools.
- Involved in front end developments using razor, html5, javascript, jquery, kendo, CSS, bootstrap
- Using EF and LINQ for database related operations
- Write unit and integration tests using Moq, Selenium and microsoft test tools
- Responsible for code review and system designs

## Nepal Telecom

7 years 1 month

### International Roaming Billing Coordinator

September 2012 - October 2015 (3 years 2 months)

Nepal

- Lead the roaming billing team of developers by performing code reviews, mentoring juniors, and handling team meetings, streamlining the Agile methodology and improving overall team productivity
- Involved in the development of various in-house telecom applications, such as Electronic Document Management System, Customer Billing Help Desk System, and GSM Roaming Billing System
- Involved as a database programmer in Microsoft SQL Server, Postgres, and Oracle
- Proficient in SRS document preparation, Analysis and Design and User Acceptance Testing of Enterprise Telecom Software
- Specialist in Telecom Domain including GSMA International Roaming Billing, IOT Settlements, Accounting, Security issues and Fraud Management

## Telecom System Engineer

October 2008 - September 2012 (4 years)

Nepal

- Handled the entire GSM International Roaming Working Scenario from Requirement Analysis, Coordination Activity, IREG Testing, DCH Updating, TADIG Testing, to Operational activities.
- Handled major database and application migration activity
- Performed Bash Scripting in UNIX System integrating with Database Systems for task automation

- Maintained Server Administration in LINUX and SOLARIS
- Quality Testing, Site Survey and Report writing for Roaming Call and Data/3G Analysis
- Monitored overall TAPIN and TAPOUT data from switches, mediation system and clearing house
- Monitored overall HUR/NRTRDE Data and Handled suspected Fraud Characteristics for both inbound and outbound roamers.
- Supported Database Administration and SQL programming (Postgres, and Oracle)
- Basic Troubleshooting on Network issues including switches, firewalls, and routers
- Involved as Support Engineer for customer retail billing, monthly Invoicing, and reporting

### Nobel College

Senior Programming Instructor (Part-time)

May 2008 - September 2015 (7 years 5 months)

Kathmandu

- Supervised undergraduate final year software projects with C#, ASP.net and Java
- Taken undergraduate courses such as C#, Java, PHP, Web Technology, Data Mining, Data Structures and Software Engineering
- Performed practical laboratory and programming sessions to IT students
- Prepared, administered and graded examinations and reports
- Advised students on course and academic matters and career decisions
- Served on faculty committees dealing with curriculum planning and degree requirements

### Pragmatic Technology Pvt. Ltd.

Software Project Manager

2009 - 2012 (3 years)

Lalitpur, Nepal

As a startup company, I was partially involved, both as developer and manager, in diverse field of web/desktop applications:

- Library Management System (Core Java using Hibernate, MySQL)
- Human Resource Management System (PHP using Orange Framework, MySQL)
- Restaurant Management System (C# using MVC, MS-SQL)
- Online Restaurant Ordering System (PHP Zend Framework with MySQL)

- Several local and freelancing web Projects in PHP and MySQL (Wordpress, Joomla, Custom MVC)

Apex College Pvt. Ltd.

Senior Lecturer

2006 - 2008 (2 years)

Kathmandu, Nepal

- Undertake the core computer science courses: OOP (C++, Java, C#), Web Development (ASP.net, PHP), Data Structure & Algorithms, Computer Graphics, Computer Networks
- Conduct programming lab sessions for both management and engineering students
- Supervise and evaluate the Minor and Major Computer Engineering Projects
- Participate in updating university's web technology syllabus, scrutiny board examination questions & paper marking

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## Education

Nepal College of Information Technology, Pokhara Vishwavidalaya  
Master's Degree, Computer Engineering · (2012 - 2015)

Advanced College of Engineering and Management, Tribhuvan  
Vishwavidalaya

Bachelor's Degree, Bachelor in Computer Engineering · (2006)