Sudeep Basnet

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SKILLS

Programming:	Dart, Python, C#, Typescript, JavaScript, HTML/CSS, R, SQL, NoSQL
Other Technical:	NodeJS, React, Vue, AngularDart, GIT and SVN, Data Analysis, Data Visualization, Database Development, Azure, AWS, JIRA, Snowflake Cloud Data Warehouse, MicroStrategy

EXPERIENCE

Software Engineer | June 7, 2021 – Present
  Google LLC, MTV, CA
- Developing Google's internal Customer Relationship Management (CRM) application.

Technical Consultant | Oct 7, 2019 – May 14, 2021
  Logic Information Systems, Bloomington, MN
- Developed omni-channel e-commerce solutions with C#, TypeScript, and HTML/CSS in .NET and .NET Core.
- Debugged and resolved issues in reporting dashboards, using MicroStrategy Developer, MicroStrategy Architect and MicroStrategy Intelligence Server.
- Designed Cloud Data Warehouse and ETL pipelines in *Snowflake* along with stored procedures in *JavaScript*, automated data loading with *Python.*
- Designed AWS cloud dataflow and architecture for enterprise level ETL and Analytics. Developed AWS lambda functions in Python for automated data transformation.

Graduate Assistant | Jan 02, 2017 – Aug 16, 2019
  University of Nebraska – Lincoln (UNL)
- Scientific Data Analysis and Data Management using Python and R with packages like scipy, scikit-learn, pandas and numpy, utilized parallel computing on Nebraska's second-fastest High-Performance Computing servers.
- Developed a scalable clustering algorithm to perform unsupervised learning on GIS data, with performance gain up to 60% compared to state-of-art algorithms. Published and presented Research Paper.
- Development and management of PHP backed application, and Data Visualization using HTML/CSS, KnockoutJS, Google Maps JavaScript API and MySQL database.
- Developed Agent-based simulation model in Repast Java to simulate and predict social unrest on a geographic and temporal scale.
- Prepared C++ Tutorials and Lab Assignments of Network Simulations in ns3 to teach about Communication Networks (TCP, UDP, OSI Layers).
- Taught and graded graduate level course "Automata Computation and Formal Languages" with 60 students.

Software/Data Engineer| July 17, 2012 – Dec 23, 2016
  Cotiviti Nepal Pvt. Ltd. | Kathmandu, Nepal | (*Subsidiary of COTIVITI HEALTHCARE, Waltham MA)*
- Software Development using *Java* and *Oracle 11g* on Windows and UNIX platforms. Involved in Integration, Analysis, Design & Development, Testing and Production support phases.
- Implemented Oracle *PL/SQL* procedures, functions, triggers and packages for data management and statistical report generation on US healthcare data.
- Developed ETL procedures, documented and validated complex business rules for data transformation. Prepared technical specification, reviewed code, and performed unit testing for client-specific change requests.
- Optimized multiple large ETL processes by 60 – 70% in processing time using parallelization, re-designing back-end jobs, performance tuning, normalization and query optimization.
- Led multiple teams of Data and Software Engineers through different projects for 2 years. Responsible for Code Quality, Code Reviews, Design Reviews, Code documentation and Design documentation for maintainability.

EDUCATION

Master of Science, Computer Science | Jan 02, 2017 – August 16, 2019
  University of Nebraska – Lincoln (UNL)