Priyank Narvekar

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Education

Memorial University of Newfoundland, Canada

2018 to 2024	Master of Science (MSc.) – Computer Science
2016 to 2018	Master of Business Administration (MBA) – General
2008 to 2013	Bachelor of Engineering (B.Eng.) – Computer Engineering

Work Experience

IBM Canada – Senior Software Engineer
Sep 2019 – Till Date

- Work as technical onboarding lead with every single ISV as a trusted advisor that gets validated for deployment to Financial Services (FS) Cloud guiding them through the technical deployment process in setting up validation environment while adhering to Financial Services compliance and controls. Help them successfully onboard to Financial Services Cloud by providing technical solutions, implementations, or code examples to their adoption challenges.
- Work as technical assistance lead with each Fintech startup that's accepted into the Fintech Program at IBM, guiding them through the technical deployment process in a staged approach (as-is migration, intermediate and full FS compliance).
- Investigated a methodology and developed POC for a tool to assist in accelerated adoption of IBM Financial Services cloud in compliant manner by ISVs (US patent 11755717). The POC was further productized and integrated in the IBM Cloud platform as deployable architectures.
- Helped architect the base reference architectures for Financial Services. These architectures are used by all banks and ISV's onboarding that are using Virtual Servers and/or Redhat Openshift.
- Architected and implemented alternative solution that are financially validated for which managed services weren't available. IBM does not have its own offering, so this provides a validated solution for customers/ISVs that have corresponding requirements.
- Advocated for the new features requested by Banks (BoA and BNPP) and ISVs across cloud services. Additionally, also reviewed and advised on technical architecture and designs for the corresponding features and be technically involved with internal teams on continuous basis during the development effort.
- Developed a Splunk Technology Addon for IBM Cloud for customers for ingesting activity tracker logs and VPC flow logs.
- As a side project developed internal integration tooling for increasing team productivity.
- Guiding and mentoring junior developers/interns.

IBM Canada – Advisory Software Engineer
Jun 2017 – Aug 2019

- Lead the development team of logging service for Prototype of second-generation IBM Cloud Fabric.
- Worked with Intel prototyping trusted compute & containers on Cloud by integrating with Intel Cloud Integrity Technology on IBM Cloud for Kubernetes service for Think 2018.
- Assisted in development of automation playbook of infrastructure deployment on a Project for Daimler A.G.
- Extended IBM Cloud Terraform Provider for to support VPC resources (Pilot release)
- Advised on conceptual architecture of Small & Medium Business Advisor for 9 Spokes International, NZ.

IBM Canada – Staff Software Engineer
Sep 2015 – May 2017

- Prototyped & then subsequently lead architecture and development of commenting service integrated with Watson with ability to comment anywhere on a web application – standalone, text, images, charts & graphs, eventually taken over and to be productized further by IBM Connections team.
- Managed customer challenges through effective diagnosis and resolution.
- Assisted Cisco in migration and setup of Cisco Kinetic IOT platform on IBM Cloud for Port of Rotterdam
- Developed an integration service between Cisco Spark and Watson Workspace.
- Prototyped a bot for cisco spark to integrate with IBM Cloud connections and IBM Watson services.
- Worked with clients to guide towards use of existing IBM technologies.
- Worked on a prototype for Cloud Analytics Dashboarding framework
- Mentored junior developers & interns

IBM Canada - Software Engineer
May 2013 – Aug 2015

- Developed ETL Application in java for rate limited Parature API, to synchronize more than 2 million records for Cloud Support data to be further used for analysis and internal reporting.
- Ideated and lead the development of an integration service to enable collaborative analytics between Cognos and IBM Connections that dynamically pushed Charts and Data to Connection Pages.
- Developed an iPad application leveraging Cognos APIs for IBM Executives for internal metrics

- Migrated the ETL applications to IBM DataStage from previous dedicated baremetal jobs
- Developed data models, Cognos reports and Power Cubes and managed data warehousing and backup

IBM Canada - Software Engineer Intern   Sep 2010 – Apr 2013
- Developed data models, Cognos reports and Power Cubes and managed data warehousing and backup.
- Developed ETL applications in Java that synchronized ~10 million PMR records daily from diverse sources
- Ideated and lead the development of an extension for Cognos to ease report scheduling for users
- Managed development infrastructure composed of DB2, WebSphere & Cognos and underlying AIX Servers
- Implemented new features and fixed defects for IBM wide Software Metrics Dashboard.
- Designed and developed ETLs for Multilingual Consumability Experience Surveys
- Designed and developed Multilingual Consumability Survey Builder

IBM Canada - Application Developer Intern/COOP   Jan 2010 – Apr 2010
- Migrated Business Process Management Samples and Tutorials from archived static webpages to Web 2.0
  - Proposed and Developed 3 alternatives solutions: dynamic pages with MySQL/db2 backend, with xml backend & dynamic system generating static pages with enhanced UI & UX.
  - Upgraded the UI to match IBM Info center but without frames & leveraged ajax for updating content.
  - Used patterns in static pages to extract, transform and load data to setup a database.
  - Integrated Lucene to index and make the tutorials and samples searchable
- Implemented new features and Fixed defects for IBM Compass 7002 Release
- Prototyped Android Application to interact with the BPM server over phones & SMS

AIF Small Craft Simulation Group – COOP   Apr 2009 –Aug 2009
- Working with senior engineers, designed and wrote automated test projects for the simulations in C++
- Created purchase orders and managed filing and bookkeeping.
- Customized the CRM package Vtiger for internal requirements of invoice management
- Wrote technical documentation, troubleshooting guides and developed presentations

Publication and Patents

- Narvekar, P., Vardy, A. A data grid strategy for non-prehensile object transport by a multi-robot system. Artif Life Robotics (2023). https://doi.org/10.1007/s10015-023-00908-5
- Geiger; Adam Robert et al. Security Compliance for a Secure Landing Zone. 12 Sept. 2023. (US-11755717-B2)

Projects

In-kernel metrics server, Term project for Advanced Operating systems, a tcp server running in kernel space serving system metrics from procfs in json format over HyperText Transfer Protocol

Smart Ice, consulting project for Term 4 (MBA) consulting course, worked as a part of the consulting team on development of assembly manual for Smart ICE device to be assembled by youth at Choices for Youth. (https://www.smartice.org/)

Diesel Plant Simulator, final year project for Undergraduate – Worked with Nalcor Energy Inc., designing a Diesel plant simulator.

iPhone RSS Reader, Term 8, mobile Apps Course – Designed an application for iPhone for reading and bookmarking RSS News feeds.

Smart Surveillance Camera, Term 7 Machine Vision Course – Network based Surveillance camera connected to a backend powered by OpenCV for analysis and MySQL and for storing and providing indexed and searchable video data.

FIFO device, Term 7 LSI course – Designed and implemented a FIFO device in VHDL.

Java Distributed File System, Term 5 Software Design Project – Designed and partially implemented a Distributed File System in java.

Java Network File System – Part of Term 5 Software Design Project, Implemented the Network file system v2 protocol in java

Portmapper – Part of Term 5 Software Design Project, Implemented the ONC RPC portmapper v2(RFC 1833) application in java

32 bit Multiplier, Term 5 Digital Design Project - Designed a 32 bit multiplier in VHDL using booths Algorithm for.

MUNder Robot – A robot for semester 2 robot competition for collecting pop cans.

Gigaloads.com (retired) – Software search engine/downloads site powered by LAMP and Adsense for revenue designed in 10th grade

Key Achievements

- ✓ IBM – Retainment Award (RSU) – Aug 2023
- ✓ IBM – Outstanding Technical Achievement Award for Implementation and release of Secure Landing Zone – Sep 2022
- ✓ IBM - Retainment Award (RSU) – July 2021
- ✓ IBM - Yearly performance award(RSU) – June 2020
- ✓ IBM – Outstanding Technical Achievement Award for Fabric 2.0 project growth and leadership and deployment of Elasticsearch – Dec 2019
- ✓ IBM - Manager's Choice Award

- o Put the client first - June 2018
- o Put the client first - June 2017
- o Unite to Get it Done Now – June 2016
- o Dare to create original Ideas – Oct 2014
- ✓ Represented Faculty of Business in HEC Corporate Responsibility Challenge - HEC Montréal – Feb 2018
- ✓ Represented Faculty of Business in John Molson International MBA Case Competition – Concordia University – Jan 2018
- ✓ JDI Case Competition (Team of 3) – First Place - Faculty of Business, Memorial University of Newfoundland – March 2017
- ✓ IBM - Spirit Award – Show Personal Interest – Dec 2014
- ✓ 11th Canada Wide (Team of 3) in IEEE Extreme Programming competition - 2011.
- ✓ The International Student Undergraduate Academic Award and Scholarship – Memorial University of Newfoundland - 2010
- ✓ Dean's List, Faculty of Engineering - Memorial University of Newfoundland - 2009
- ✓ Memorial University of Newfoundland Entrance Scholarship - 2008.
- ✓ Certificate of Merit in Academics and Overall Performance - High School Graduation - Cambridge High School, India - 2005
- ✓ Certificate of Merit with Credit in Computer Studies - (University of New South Wales, Australia)
- ✓ Represented School in Indian Model United Nations (INMUN) - 2004
- ✓ Certificate of Merit with Distinction in Computer Studies - (University of New South Wales, Australia)
- ✓ Bronze Medal (1998, National), Second Place (1999, State), Medal (2000, National) – Karate Do, Championship, India.
- ✓ Certificate of Merit in Academics and Overall Performance – Primary School Graduation - Oxford School, India - 1998