

Nikita Patel

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EDUCATION

CARNEGIE MELLON UNIVERSITY

Master of Information Systems Management

Honors: Merit Scholarship Recipient

Pittsburgh, PA

May 2011

GPA: 3.52/4.00

GUJARAT UNIVERSITY

Bachelor of Science in Electronics & Communications Engineering

Honors: 8th Highest at State-level

Baroda, Gujarat

June\ 2006

GPA: 3.91/4.00

CERTIFICATIONS

DAMA International

Certified Data Management Professional - Practitioner

Nov 2023

SCALED AGILE

Certified SAFe 5 Product Owner/Product Manager

June 2022

SUMMARY

With 10+ years of expertise in software engineering, quality assurance and data analytics in the financial and health care industry, my mission is to lead teams to improve data quality, establish data governance processes and power innovation for businesses.

EXPERIENCE

CMU Tech & Entrepreneurship

Community building and innovation

Philadelphia Chapter

(Apr 2022-Present)

- Active member of the CMU Tech & Entrepreneurship organization; a volunteer driven group where Carnegie Mellon university alumni come together to connect, thrive, and help each other succeed

Softrams

Senior Data Quality Lead, Artificial Intelligence Practice

Leesburg, VA

(Jan 2022-Present)

- Drive the business policy and development of the data validation rules and key data metrics for one of the strategic initiatives that involved designing and developing an Artificial Intelligence driven sophisticated solution for several Federal Healthcare Accountable Care and Primary Care Transformation models/program
- Lead, design and develop a data profile dashboard using QuickSight, SQL, SnowFlake that comprises of key data quality checks, metrics and trends in order to ensure that the data integrity and accuracy is maintained, and that the data conforms to the ICD specifications and Standard Operating Procedures at different stages of claims data exchange with external stakeholders for a key health equity focused product which eventually will be rolled out to other Accountable Care and Primary Care Transformation products at the enterprise level
- Communicate Quality Management/data standards, data issues/reports and presentation to the Federal client
- Oversee data analysts and partner with the Dev-Ops, Data-ops and the business groups to identify data issues and develop solutions

Mathematica Policy Research

Senior Data Quality Analyst, Health Analytic Systems and Technology (AST)

Princeton, NJ

(Mar 2021-Dec 2021)

Data Quality Analyst, Health Analytic Systems and Technology (AST)

(Oct 2019-Feb 2021)

- Promoted within six-month timeframe for exceeding goals
- Establish and lead the Quality Management/Data Management effort for an independent end-to-end data validation, code quality and report/portal testing of the analytic and reporting solution that used Medicaid, social determinants of health and Medicare claims data sources
- Provide advisory services and establish principles and practices implemented on a project to other areas of business including a new product being offered to the State Medicaid Market
- Develop and implement reusable data quality tools using SQL, Oracle, Talend and Tableau to produce high quality final product deliverable to the client

- Support the development of the Data Marts, Analytical files and the ETL process for the analytic and reporting solution
- Provide thought leadership and support for the Health Analytic Systems and Technology (AST) – Data Management and Governance lead as the pillar is stood up within the AST division
- Lead business analysis activities including gathering requirements via Joint Application Design sessions to support measure development and maintenance

Program Analyst, Health Program Improvement (Sep 2014-Sep 2019)

- Conduct rigorous data quality checks of the MSIS quarterly and T-MSIS State submissions to support Centers for Medicare and Medicaid Services' (CMS) transition effort from MSIS to T-MSIS
- Develop programming specifications for process and structural measures for five hospital quality reporting programs.
- Support development of the Medicaid and CHIP Program (MACPro) portal's data environment via Joint Application Development (JAD) sessions
- Perform regression testing and user acceptance testing of the Medicaid Managed Care Data Collection solution, a sophisticated data collection tool deployed for all 50 states and U.S. territories to support the annual collection of 2015 managed care data by CMS

NextGen Healthcare Information Systems Horsham, PA

Health Quality Measures Analyst and Developer, Health Quality Measures (Apr 2012-Aug 2014)

Development Team

- Analyze and gather business requirements using intricate health quality measure specifications as designated by each pay for performance initiative, identify data extraction requirements
- Use complex tools such as HQM Reporting Module, Boolean logic expressions, SQL and SQL server to create, update and modify health quality measures sets
- Analyze and identify complex problems within the HQM Report Module to create health quality measures, enhance current measures, and fix known issues
- Develop new health quality measures based on documented design specifications as designated by each pay for performance initiative program
- Perform technical development work in compliance with Health Quality Measure Program specifications, HQM Report Module and the NextGen EHR application architecture
- Provide consulting to clients, internal customers for implementation of Meaningful use objectives and PQRS CMS incentive programs
- Lead meaningful programs such as ACO, PQRS, BTE in order to ensure consistent clinical performance

Misys Banking Systems New York, NY

Associate Business Analyst, Treasury and Capital Markets (TCM) (Jun 2011 – Feb 2012)

- Analyzed new and existing market data to identify solutions to address business needs for clients and stakeholders
- Researched, organized and managed regional requirements with the goal of enhancing the Syndicate Lending product that support organizational funded development projects
- Designed user story models to support the regulatory requirements in the American and Brazilian financial markets as part of supporting the organization's strategic developments
- Routinely interfaced with clients to assess business needs, gauge market tone and gather data to develop business analysis and strategy
- Independently responsible for rapid delivery of solutions utilizing a robust project management methodology

IBM Pittsburgh, PA

Technology Consultant, Global Business Services (May 2010 – Jan 2011)

- Led a multidisciplinary group to develop an architecture of innovative Clinical Information System software using Spoken Web Technology
- Designed a technical data model and architecture, framework for IBM healthcare partners in India using the business requirements
- Presented an executive summary to key IBM stakeholders to ensure full acceptance of project and final deliverables

Bayer

Pittsburgh, PA

Social Media Consultant

(Aug 2010 – Dec 2010)

- Developed digital marketing strategies for increasing online sales and levels of engagement with key stakeholder groups
- Managed roll out of these strategies interfacing with Bayer personnel at all levels of the company, including the Global Marketing executives

West Penn Allegheny Health Systems

Pittsburgh, PA

Data Mining Analyst

(Jan 2011 – May 2011)

- Collected, organized and managed patient demographic data for existing clinics to assess potential demands in the surrounding communities
- Analyzed patterns in the existing patient inflow by studying population density on geographic information systems
- Developed a business plan for expansion of Anticoagulation clinic depending on financial viability of the project

Eclipsys India Pvt. Ltd.

Baroda, Gujarat

Test Engineer, Automation Testing Services

(Nov 2008 – Mar 2010)

- Managed appropriate identification, documentation, and resolution of testing and production issues to minimize performance errors and system downtime by 15%
- Discovered and implemented process improvement using Scrum methodology which significantly reduced administrative costs by 20% Received a “Feather in Cap Award” for exceptional technical contribution to a health care ARRA stimulus project

Infosys Technologies Ltd.

Mysore, Karnataka

Software Engineer, Banking and Capital Markets

(Nov 2006 – Sep 2008)

- Developed an innovative banking application for fostering banking transactions among the employees of Infosys
- Received a “Star Award” from Dun & Bradstreet for demonstrating business problem resolution skills and technical expertise in the project

ACTIVITIES

- Co-founder & Vice President of the Health Care Information Technology Student Organization
- Member of Heinz Consulting Club, Product Management Club, Heinz Health Care Club
- Volunteered for Pittsburgh Cares, Carnegie Library for the Blind, Hosanna House

ACADEMIC PROJECT & COURSES

Business Intelligence (BI) Solution Analysis Project – Implemented Data Mart, generated reports and proposed a business model to provide an integrated solution for product penetration in markets (May 2010 - Aug 2010)

- Health IT Security
- Health Information Sys.
- IT Project Management
- Statistics for IT Managers
- Social Media
- Management Consulting
- Business Process Modeling
- Data Mining
- Database Management
- Distributed Systems

IT SKILLS

BI Tools: QlikView, Tableau, MicroStrategy Certified Report Developer (CRD) - Version 9.4.1 certification, Weka

Databases: MS SQL Server 2008/2005/2000, MS Access, MySQL, DB2, Oracle

Data Quality/ ETL Tools: Talend

Programming Languages: C, C++, COBOL, HTML, Java, JavaScript, JCL, SQL, VBScript

Cloud Platforms: Amazon Web Services – AWS Cloud Practitioner training, Google Cloud Platform

Development and Knowledge Management: SharePoint, Atlassian Confluence, Jira, Certified SAFe Product Owner/ Product Manager