Summary:

Seasoned IT professional with 19+ years of experience in information technology, specializing in project and product management, techno-functional management, and data science. Proven track record in translating business needs into technology requirements and managing all phases of IT projects, from needs analysis to implementation and training.
Expertise in agile management, AWS cloud computing, and data science algorithms.

Recently completed MTech in Data Science Engineering, developing a strong foundation in the field's technical and theoretical aspects.

Technical Skills:

- **Data Science:** ** Python, Machine Learning Algorithms, Deep Learning, Data Manipulation and Visualization, Data Science Engineering, computer vision, NLP, LLM, RAG, etc.
- **Project Management:** ** Agile Scrum, Waterfall, Project Planning and Execution, Risk - Management, Budgeting, Vendor Management, Stakeholder Engagement
- **Software Development:** ** Java/J2EE, Spring MVC, Spring, Spring Boot, Microservices, Docker, Kubernetes
- **Agile:** Scrum Master, Kanban, sprint planning, daily stand-ups
- **Cloud Computing:** ** AWS Solution Architect Certified

Employment Scan:

Pursuing M-Tech in Data Science from BITS, Pilani (WILP)   Nov 2021 – Nov 2023

Data Science Projects**
- For MTech project, developed an elderly care application using computer vision, AWS firehose, S3, EC2, EFS and Lambda pipeline for Fall and Fire detection in a household and delivering prompt responses as alerts to save lives.
- Developed couple of applications using LLMs and RAG using vector databases.
- Developed a computer vision model to detect and classify objects in real-time using TensorFlow and OpenCV.
- Created an NLP model to analyse customer feedback and extract key insights using BERT and Transformers.
- Built a deep learning model for autonomous car driving while pursuing Udacity's Self Driving Car Nanodegree.

Senior Technical Project Manager   Jan 2021 – Oct 2022
Fulcrum Digital Private Limited, Pune.

- Led two project teams consisting of 40+ resources, managing payment product enhancement for MasterCard (UK)
- Managed fixed-bid project, ensuring delivery of a specific number of story points per iteration
- Coordinated with interdepartmental teams (DevOps, product, infrastructure, performance) to optimize task management.
- Identified and mitigated project risks, updating the client regularly.
- Implemented quality initiatives for the entire Consumer App project portfolio.

Technical Project Manager   **Apr 2010 - Jan 2017**
HSBC Software Development India Pvt. Ltd., Pune.

- Led significant projects under Staff Transformation Program, including AWS cloud migration and DevOps implementation.
- Managed end-to-end project lifecycle for re-engineering of banking applications using microservice architecture.
- Implemented agile scrum ceremonies (Scrum of Scrum) to enhance project visibility and collaboration.
- Drove performance and quality improvements, managing vendor resources from Wipro, Infosys, and Cap Gemini.
- Effectively communicated project status and risks to senior management and clients.

Tech Lead   **April 2007 - April 2010**
HSBC Software Development India Pvt. Ltd., Pune.

- Managed the HFE Enhancement project, overseeing all aspects including planning, execution , and implementation.
- Developed HLD and LLD, provided work breakdowns, and assigned tasks to project team members.
- Defined and implemented quality targets, achieving a high Sonar quality index for the team.

Senior Software Engineer   **May 2005 - April 2007**
HSBC Software Development India Pvt. Ltd., Pune.

Software Engineer / Developer   **Feb 2000 - May 2005**
CMC Limited, Mumbai

Certifications
- M-Tech in Data Science Engineering from BITs, Pilani, Nov 2023
- Completion of term 1 of Self Driving car Nano degree (Dec 2018 – Feb 2019) from Udacity.com.
- Completion certificate of six months (Feb 2018 – Aug 2018) Data Science course from UpX Academy, a Tech Mahindra venture.
- AWS Solution Architect – Associate Certification, Sept 2017.
- Project Management Professional (PMP), certified through Project Management Institute (PMI), 2013.

Personal Details:

- Name   Biju Nair
- Nationality   Indian
- Location   Pune
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