Abraham P

Software Engineer | Data Analyst | Data Science Enthusiast

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Professional Summary

Software Engineer with 17+ years of experience in ERP development, web applications, and client-focused software solutions using ASP.NET, C#, VB.NET, MS SQL Server, and Oracle. Hands-on international exposure working onsite in Japan and the Maldives.

Recently upskilled in **Data Analytics & Data Science**, completing IBM's Data Science Professional Certificate and multiple projects using Excel, Power BI, Tableau, MySQL, Python, and Machine Learning.

Combines strong application development experience with analytical thinking to deliver data-driven insights, automate workflows, and support business decision-making. Open to opportunities in **Software Development, Data Analytics**, and **Data Science** roles.

Skills

Technical Skills

Programming	**Web Development**	**Database Management**
Python, C#, VB.NET, ASP.NET	HTML, CSS, JavaScript (Basic), Classic ASP	MS SQL Server, MySQL, Oracle
Analytics & BI Tools	**Machine Learning**	**Version Control**
Excel (Advanced), Power BI, Tableau, Looker Studio, IBM Cognos Analytics, Zoho Analytics	Scikit-learn, XGBoost, TensorFlow/PyTorch (Basic)	Git, GitHub
Testing & QA	**Tools & Libraries**	**Software Development**
Manual Testing, Functional Testing, UI Validation, Test Case Writing	Power Query, Power Pivot, Streamlit, PivotTables, Macros, Infragistics, Syncfusion	ERP Systems, Windows & Web Applications, Reporting Tools

Soft Skills

Communication	**Teamwork**	**Leadership**
Written & Verbal, User Training	Collaboration, Cross-functional Coordination	Team Support, Task Coordination
Problem-Solving	**Time Management**	**Adaptability**
Analytical Thinking, Troubleshooting	Prioritization, Deadline Handling	Quick Learning, Flexible to New Tools & Technologies

Work Experience

Software Engineer

Hirotec India Pvt. Ltd., Coimbatore, TN   Dec 2012 – Jun 2022

- Developed and maintained ERP modules (Admin, Quotation, Purchase, Inventory).
- Designed UI screens, transaction forms, and workflow automation features.
- Delivered GL Reporting tool with Excel/PDF export.

- Onsite assignment at Hirotec Corporation, Japan for user training and production support.

Product Manager

Aara IT Consultancies Pvt. Ltd., Coimbatore, TN   Mar 2012 – Dec 2012
- Managed client requirements, sprint planning, and project delivery.
- Coordinated development of business applications.

Senior Software Engineer

Access Maldives Pvt. Ltd., Republic of Maldives   Feb 2010 – Jan 2012
- Developed major government systems including:
    - E-Court Management System (MEMS)
    - Transport Information Systems (MATRIS)
    - Fisheries Department applications
- Provided onsite support for ministries.

Software Programmer

MAK Controls & Systems Pvt. Ltd., Coimbatore, TN   Dec 2004 – Jan 2010
- Developed asset tracking and logistics systems using Classic ASP, VB6 and Oracle 9i.
- Built internal monitoring tools and reporting modules

Education

Master of Computer Applications (MCA) | CSI Bishop Appasamy College   2001 – 2004

Bachelor of Commerce (B.Com) | Gobi Arts & Science College   1997 – 2000

Projects

Superstore Sales Data Analysis (Multi-Tool Analytics Project)

Tools: Excel, MS SQL Server, Power BI, Tableau, Python, Google Looker Studio, Zoho Analytics

- Performed end-to-end analysis on the Superstore sales dataset to understand sales performance, profit drivers, customer behaviour, and regional trends.
- Cleaned, transformed, and validated data using Excel, Python (Pandas), and SQL queries in MS SQL Server.
- Designed multiple dashboards:
    - Power BI: KPIs, profit analysis, segment performance, interactive drill-downs
    - Tableau: Geographic sales maps, category-wise trends, forecast charts
    - Looker Studio & Zoho Analytics: Web-based visual dashboards for quick insights
- Used SQL to extract insights on discount impact, shipping efficiency, high-profit regions, and product-wise performance.
- Built Excel models using PivotTables, charts, Power Query, and functions for revenue calculations and category analysis.

- Automated repetitive Excel tasks using macros and created scenario-based analysis using What-If tools.
- Generated actionable insights on most profitable product lines, underperforming segments, and promotional impact on sales.
- Delivered a clear analytical summary and visual story for decision-making.

IPL Match Winner Prediction (ML)

Tools: Python, XGBoost, Streamlit

- Built ML model to predict IPL match outcomes based on historical data and match conditions.
- Implemented preprocessing (encoding, cleaning), feature selection, and model evaluation.
- Deployed model with a clean Streamlit UI.

Healthcare Data Analysis

Tools: Excel & Tableau

- Performed data cleaning, segmentation, and trend analysis.
- Created Tableau dashboards to visualize patient trends and operational performance.

IMDb SQL Analysis

Tools: MySQL

- Performed advanced SQL operations (joins, window functions, subqueries).
- Identified top genres, directors, yearly trends, and rating patterns.

K2 ERP – Hirotec India

Tools: VB.NET, C#, MS SQL Server, Infragistics, Syncfusion

- Built modules for Admin, Quote, Purchase, Project Management, Time Sheet and BIN.
- Developed features for revenue recognition, cost analysis, and GL integration.

Certifications

- **Data Analytics & Data Science Program** — KGiSL MicroCollege (Feb 2025 – Aug 2025)
- **IBM Data Analyst Professional Certificate** — Coursera (Oct 2025)
- **IBM Data Science Professional Certificate** — Coursera (Sep 2025)
- **BigQuery for Data Analysts** — Coursera (Oct 2025)
- **Working with BigQuery** — Coursera (Oct 2025)
- **Google Cloud Fundamentals: Core Infrastructure** — Coursera (Sep 2025)
- **ASP.NET for Experienced Developers Specialization** — Coursera (Sep 2025)
- **VB.NET, ASP.NET, C# Certification** — Easy Design Systems (Dec 2005 – Apr 2006)
- **ASP.NET Certification** — Pentasoft Technologies (Dec 2003 – Mar 2004)