



Client Overview

- A US Based law firm embarking on technology modernization to build an automated billing system and other complimentary functionalities



Business Challenge

- Client did not have an automated billing system in place. They were manually creating bills for their customers
- Manual creation of bills led to major inefficiencies which resulted in time wastage
- The process for creating a new version of bill template was ineffective and complex
- Creation of dynamic reports as per client's evolving requirements instead of generating a fixed report



Implementation Approach

- ETL was set up to extract data from their existing FoxPro DB to PostgreSQL DB with detailed logs
- All billing processes like intimation letter emails, reminders, billing calculations etc., were automated with options to manually review before automated dispatch
- BI reports were generated using Pentaho BI and Ad hoc reporting option was enabled
- Angular 6 was used for frontend and backend development web services using spring boot



Technology

- Java - SpringBoot Framework, Pentaho BI, Alfresco, Talend, Angular 6, PostgreSQL, IText, Apache POI, FoxPro, Docx4j



Business Impact

- Hundreds of hours of manual effort was saved by automating the billing process
- 43% increase in employee productivity as they were focusing more on relevant task
- 95% savings in creation time for user defined bill templates, in the client's website
- Predominantly open source technology choices gave a significant cost advantage in building the application



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