**PRADEEP K**

**Senior Software Engineer**, Entrepreneurial minded, passionate for tech, driven by intellectual curiosity. assisting enterprises by supporting data-driven decision-making.

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**SUMMARY**

* Over **15+** years of experience as **Software Developer** and **Business Analyst** in the domain of Insurance, Mortgage, Healthcare**.**
* Experienced in Object Oriented Programming (OOP) concepts.
* Experience on python libraries like Pandas, Matplotlib, Numpy, and NLTK to manipulate and visualize the data using interactive charts.
* Experience on developing forms using HTML and performing client side validation using JavaScript, JQuery.
* Expert in writing PHP and Python scripts to scrape web data for data usage/collection using Selenium, BeautifulSoup, and Scrapy.
* Experienced in Python and PHP based environment, along with data analytics, data wrangling and Excel Data extracts.
* Experience in Data Conversion from TIFF/PDF/Image files to text files using OCR Python.
* Good knowledge on AI/ML with the Data manipulation using RegEx, Data Training and Data extraction.
* Expert in business process and software development life cycle including analysis, design, development, testing and implementation of software applications.
* Good knowledge of development best practices such as code reviews, unit testing, system integration testing (SIT) and User Acceptance Test (UAT).
* Hands on experience in working with various version control systems including CVS, SVN.
* Excellent analytical, problem-solving and critical thinking skills with ability to learn quickly to the emerging new technologies and paradigms.
* Experienced in Analysing, compiling, documenting, and communicating test results to the broader team.

**SKILLS**

**Languages**: Python, PHP, JavaScript

**Web Technologies**: HTML/HTML5, XML, DOM, JQuery, JSON.

**Framework**: Selenium, Scrapy

**Library:** Pandas, Matplotlib, Numpy, NLP, BeautifulSoup, Matplotlib, TesseractOCR

**Database**: MySQL, MongoDB

**Tools**: SVN, CVS

**Soft Skills**: Time Management, Critical Thinking, Organizational Skills, Interpersonal Skills, Presentation Skills, Teamwork and Collaboration, Written and Verbal Communication, Problem Solving, Attention to Detail

**PROFESSIONAL EXPERIENCE**

**Webcetera Software Solutions Ltd. (Applied Systems India Pvt. Ltd.), Bangalore**  
***EzLynx:*** [***Comparative Rater***](https://www.ezlynx.com/rating-engine.html)***/***[***Online Quoting***](https://www.ezlynx.com/consumer-quoting.html) ***– Insurance Domain***

**Script Engineer** ***Aug 2006 – Sept 2007***

* Enhanced the code for **20+ Insurance company** website for online quoting of newly added states.
* Demonstrated expertise in developing **50+ new script/code** by studying the Insurance company website.
* Tested the Script/Code manually, with all the possible scenarios along with Regression.

**Real Time Technical Support Engineer** ***Oct 2007 – Mar 2008***

* Provided Online & Offline **Support for 100+ scripts/code** of various Insurance Company’s for 40+ states in US.
* Proficiently troubleshot simple and complex technological issues for different Insurance Company’s project.
* Enhanced the Script’s features by effectively fixing the bugs in the real time and optimized the overall performance, reliability and performance.

**VisioneX Technologies Pvt. Ltd, Bangalore**  
***Smart Care: Healthcare Domain***

**Technical Engineer** ***Mar 2009 – Sept 2009***

* Digitalizing the Health records of the patient using chip based Smart Card.
* Reviewed and fixed the design and coding issues of the developed modules during various phases of integration and system testing.
* Installed Smart Card Readers in 20+ Hospital’s and was actively involved in providing the necessary training for the Hospital staff with the required support.

**Webcetera Software Solutions Ltd. (Applied Systems India Pvt. Ltd.), Bangalore**  
**Policy Management system *– Insurance Domain***

**Sr. Script Engineer** ***Oct 2009 – Apr 2012***

* Data Conversion: Auto and Home insurance data stored in AL3 (Automation Level 3) format was converted into ACORD standards using JavaScript, XML and RegEx.
* PDF Document Generation: ACORD XML data was used to generate the PDF, thereby saving the valuable time of the Insurance Companies and the Vendors.

**Pentamine Technologies Pvt. Ltd., Bangalore**  
**Product Development**

**Business Consultant *Aug 2012 – Oct 2016***

* Performed market research to understand the market requirements for new product development.
* Involved in identifying the needs of the company and integrating market research to determine the needs and goals of new products.
* **20+ products were researched** and documented. **10+ products** were not implemented due to market constraints. **4+ products** were in market which was later discarded due to tough competition.
* **5+ products** are successfully implemented, which is generating the revenue.

**Projects:**

1. Live telecasting – Zeboba, GeoTrazer (GPS Systems), etc.
2. UpaGuru, Payroll Software, EmployeeTracker, etc.

**Stellar Innovations Pvt Ltd (Former Pentamine), Bangalore**  
***Mortgage Domain***

**Sr. Software Engineer *Nov 2016 – Sept 2022***

* Conceptualized new product ideas and designed prototypes independently and prototypes for testing.
* Delivered product specifications and procedures.
* Analysed existing products to identify areas for improvement and summarized current documentation.
* Associated with various phases of Software Development Life Cycle (SDLC) of the application like requirement gathering, Design, Analysis and Code development.
* Proficient in using UML for Business Process Modelling, Use cases, Activity Diagrams, Process work flow diagrams and document them.
* Created test automation plan/scenarios/test cases.

**Projects:**

1. Web scraping: Proficiently scraped the data of Appraisal Info and Tax Collector Info, from 250+ counties in 25+ states using Python, PHP and Selenium.
2. Automation: Used Selenium, BeatuifulSoup Python library to extract desired data from the URL an automated way.
3. Data Extraction: Successfully extracted the required data from 20+ counties US County Clerk website. PDF/TIFF files were first downloaded and were converted to text file using OCR- Tesseract and the data was extracted using RegEx.
4. Data Extraction in AI/ML: Dataset was prepared and was trained to extract the data using the AI/ML algorithms in Python.

**EDUCATION**

Bachelor of Engineering (Electronics and Communication) in 2005 from Sri Jayachamarajendra College of Engineering (SJCE), Mysore affiliated to VTU, Belgaum.