

PRADEEP K

Senior Software Engineer, Entrepreneurial minded,
passionate for tech, driven by intellectual curiosity.

+91 – 96860 98582

pradeep.ksg@gmail.com

#59, 2nd Main, 9th Cross,
Sun city Road, BSM Extension,
Kengeri Satellite Town,
Bengaluru - 560060

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/Online Quoting – 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 troubleshoot 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, BeautifulSoup 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.