SVETLANA VAZ

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SUMMARY

Java Software Engineer with full stack experience building scalable, highly-available web applications. Interested in automating development processes and third party integration

CORE EXPERTISE

- Server Side Development
- Agile, Scrum
- Workflow Automation
- Design Patterns

WORK EXPERIENCE

DropThought Inc.   Jan 2014 - Sept 2015
Santa Clara, California   **Full Stack Engineer**

- Designed and Developed the server side for a web based, core instant feedback capturing application used by Enterprise clients such as Cisco, Adobe, Sony Playstation, Juniper

    ✓ Wrote the Node js layer to communicate between the API and the front end
    ✓ Wrote API endpoints using python and redis to capture and save user feedback
    ✓ Wrote background scripts to automate database cleanup after an event and to compute statistics of the feedback captured at the event
    ✓ Introduced a security layer to encrypt data both at the front end and on the transport layer using Cryptojs
    ✓ Customized the application to be used on various browsers and devices

- Developed an automated API testing suite using REST API testing framework frisby.js

    ✓ Reduced testing effort by 75%
    ✓ Provided automated error stack trace to developers thus eliminating the need of manual test results

- Integrated tableau worksheets/dashboards onto a web based dashboard used by customers

    ✓ Enabled automated and instant data updates to the tableau dashboards
    ✓ Restricted access to allow only authorized users that have signed into the web app (using trusted sources)

- Wrote API endpoints for feedback creation using node.js and python based flask

    ✓ Enabled prospective customers to test the viability of the product

- Built an End to End Supervised Machine Learning Text Categorization and Sentiment Classification Engine using an Ensemble of various strong machine learning algorithms and soft voting mechanisms on feedback data using scikit-learn
- Developed an automated web based theme(main topic) generator using NLTK

    ✓ Eliminated manual topic and theme extraction
    ✓ Improved visualization by creating a word cloud of uni, bi and trigrams of the input feed using NLTK, d3.js, Node.js and Express

Heal the Bay   May 2012 - Dec 2013
Santa Monica, California   **Volunteer Force.com Developer**

- Redesigned and Normalized the salesforce database that stored account/contact details of donors

    ✓ Developed apex triggers, classes and workflows from scratch

✓ Salesforce API Integration and report generation

Barclays Bank PLC, Credit Cards   Aug 2010–Sep 2011
Pune, India   **Solution Architect**
- Recommended future state business requirements, processes, technologies, applications and information systems to create the 'to-be' target from an 'as-is' baseline

    ✓ Performed gap analysis and cost vs. effort estimation

- Defined & validated technical requirements & architecture quality attributes and accordingly recommended technical solutions for application integration

    ✓ Provided high level solution for client-server and N-tier critical applications

Swisscom IT Services Finance AG   Aug 2007 - Jul 2010
Zurich, Switzerland   **Consultant, Senior Software Engineer**
- Developed features for a securities lending product to service borrowing and lending, repo, synthetic finance, collateral management and risk management

    ✓ Analyzed & estimated story points for user stories using poker estimation

    ✓ Developed user stories using Core & Advanced Java

    ✓ Wrote unit tests using JUnit

Investment Banks in London & Australia   Jan 2004 - Jul 2007
Sydney, Australia & Tonbridge, UK   **Consultant, Java Developer**
- Maintenance of a Business forex service that facilitated transactions for import, export, foreign currency borrowings, foreign currency investments, profit & interest repatriation

    ✓ Design of use cases and Use case diagrams using Rational Rose

    ✓ System Testing and Bug Fixes

CERTIFICATIONS

Certificate	University	Grade	Earned Date
A Crash Course in Data Science	Johns Hopkins University (Coursera)	100%	Oct 2015
Managing Data Analysis	Johns Hopkins University (Coursera)	100%	Oct 2015
Data Science in Real Life	Johns Hopkins University (Coursera)	95%	Oct 2015
Introduction to Big Data	UCSD (Coursera)	96%	Oct 2015
Practical Machine Learning	Johns Hopkins University (Coursera)	100%	Nov 2015
Machine Learning Foundations : A Case Study Approach	University Of Washington (Coursera)	98%	Nov 2015

TECHNICAL EXPERTISE

	Proficient	Competent
Programming Languages	Java, Python, Javascript, SQL, Force.com, R	LaTeX
Platforms & Frameworks	Express.io, Node.js, NLTK,Flask	Django
Machine Learning Toolkits	scikit-learn	GraphLab Create
Testing	JUnit, Frisby.js, Jasmine	PyUnit
Version Control	Git	Subversion
Tools & Utilities	Eclipse,Tableau, RStudio, OmniGraffle, Sublime	QFTest, Collabnet, TOAD
Databases	MySQL, redis, SQLite	Oracle
CRM	Salesforce	

EDUCATION

Post Graduate Certificate, Computer Programming

University of California (Extension), Santa Cruz, CA   **GPA: 4.0**   **Aug 2014**

Project - Forecasting the severity of Seasonal Influenza using Supervised Machine Learning

Post Graduate Award, Mobile Application Development

University of California (Extension), Santa Cruz, CA   **GPA: 4.0**   **Aug 2014**

Project - Loyalty Rewards Program for a Point of Sales System

Bachelor of Engineering, Computer Science

PCCE, Goa, India   **1st class Distinction with honors**   **Aug 2003**

REFERENCES

References provided upon request. (Online references available at LinkedIn).