VIRAJ KAMAT

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Profile Summary

- Proficient programmer in Python meant for task automation, data processing and data-science based software development.
- Eager to learn new software development methodologies.
- Prior experience in team management, project management & client requirement gathering and delivery of code modules.
- Hands-on experience in machine learning and implementing neural models.

Work Experience

Persistent Systems Limited - Goa, India – August 2014 to July 2019

Team Lead (IBM contractor - Jan 2018 - Jul 2019)
Module Lead (Apr 2016 – Dec 2017)
Senior Software Engineer(Aug 2014 – Mar 2016)

- Management of Lenovo-PC Blockchain portal for IBM
- Developing scripts with Python for processing large datasets
- Writing Unit testcases for Python scripts and automated UI test cases for web-portals using Python selenium
- Deployment of applications onto production environments
- Communicating with remote teams for requirement gathering and implementation

Quagnitia Systems Private Limited - Goa, India – November 2012 to August 2014
Software Engineer
- Development of Web Applications using LAMP Stack
- Communication with team-mates, task assignment and delivering projects single handedly
- Communicating with clients for requirement gathering and analysis

Demerg Systems India Pvt Ltd - Goa, India – Feb 2011 to November 2012
Software Developer
- Development & production deployment of Web Applications
- Client Communications and visits for requirement gathering and analysis
- Complete end to end App testing
- Security Audits on WebApps developed for compliance with Govt of India Norms

Key Skills and Knowledge

Application Development
Python (Pandas/Numpy/scikit)
NodeJS/JavaScript/jQuery
HTML & CSS/ BootStrap
GRPC & Rest API
PHP/ MySQL (L.A.M.P)
DB2
ElasticSearch/ MongoDB
PhoneGap/Cordova (Hands-on)

Other Skills
Linux CLI Usage
Docker
TRAVIS CI (With GIT)
Google Maps API
Google Analytics
Google WebMaster Tools
XML/JSON/XHTML
Selenium

Tools
Pycharm
NotePad++ (w/ plugins)
Brackets
GIT
MySQL WorkBench

Research experience

- As a part of the Blockchain R&D team at persistent systems, I was involved in reviewing competing Blockchain technologies and developing proof of concepts based on them, namely Ripple.
- As a part of the Lenovo-PC billing solution for IBM, I was briefly involved in reviewing the Hyperledger V0.6 blockchain platform. This was under the guidance of members at the IBM Watson Research centre.

Notable Projects

- IBM Lenovo-PC Blockchain Portal – A portal that used blockchain to settle billing disputes between IBM & Lenovo. Extensive use of Python for data processing and automating the process
- Cross-currency payment application – An Android based app (Cordova) that used Ripple platform to perform cross-currency/cross-border payment in seconds
- Government of Goa Web Portals – Goa Dental College, Goa Printing Press and a few other portals developed for the Govt of Goa using LAMP stack and deployed on Govt of Goa servers (Including performing security audits)

Education

- M.S in Computer Science – SUNY Stony Brook (2019-2021)
- Bachelor of Computer Engineering – Goa Engineering College – (2005-2009)
- HSSC – Dhempe College of Arts & Science – (2003-2005)

Current course details (Masters)

- Data Science Fundamentals (Professor Steven Skiena)
- Natural Language Processing
- Analysis of Algorithms (Professor Rezaul Chowdhury)
- Introduction to Modern Cryptography
- Advanced Project in Computer Science – Electronic HealthCare Record management with Hyperledger Fabric
- Probability and statistics in Data Science
- Visualization

Languages Spoken

- English – proficient in speaking, reading and writing
- Hindi – proficient in speaking, reading and writing