Raghav Pandya

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EDUCATION

RUTGERS UNIVERSITY
MS in Computer Science
May 2017 | New Brunswick, NJ

RV COLLEGE OF ENGINEERING
Bachelors in Information Science
May 2013 | Bangalore, India

RELEVANT COURSEWORK
Data Structures and Algorithms
Operating Systems
Parallel Programming
Intro to Artificial Intelligence
Web Applications
Database Systems

SKILLS

PLATFORM
• Ubuntu 16.04 • Windows • MAC OSX

LANGUAGE
Fluent in:
• C++ • C • Python • SQL • JAVA
• HTML • CSS
Experience with:
• C# • JavaScript

DATABASE SYSTEMS
•MySql • MSSQL • Oracle

TOOLS
• SOAPUI • Jprofiler • WEKA
• VMWare VSphere • Wireshark
• Jenkins • Selenium • OpenGrok

TRACKING SOFTWARE
• JIRA • Bugzilla • VersionOne

SCM SYSTEMS
• Git • SVN

IDE
• Sublime • Eclipse • Visual Studio

NETWORK PROTOCOLS
• HTTP • TCP/IP• UDP •IPC/Sockets

WORK EXPERIENCE

RUTGERS UNIVERSITY | Software Developer
Jan 2017 – Present | NJ, USA

- Working under Prof. Gabriel Kotliar(Dept. of Physics and Astronomy) to assist in software development.
- Building a search engine to query materials using React.js and FLASK.
- Built the website for DMFTS Center.

ENTHSQUARE | Software Development Intern
October 2016 – November 2016 | NJ, USA

- Built RESTful APIs in Python FLASK-RESTFUL framework for a cloud solution.
- Built and registered a Python package to consume the above API's in PyPI

SUNBIRD SOFTWARE | Software Engineering Intern
June 2016 – September 2016 | NJ, USA

- Automated REST API's using SOAP UI and Groovy scripting.
- Set up Jenkins and integrated automated test suites as continuous integration
- Detected memory leaks using JProfiler to find root cause for a major issue.
- Investigation on Framework/Tool for automation of Flash applications.

NOVELL(MICRO FOCUS/BORLAND) | Software Associate
July 2013 – June 2015 | Bangalore, India

- Deign, develop and maintain automated test scenarios in Python.
- Automation of front end using Selenium Webdriver.
- Expand the scope of in house automation framework based on Python by adding new APIs.
- Automated the daily build installation and validation process to assist the stakeholders on build breakages.
- Solved complex automation challenges to test fixes to critical customer issues.

PROJECTS

WEB BASED STOCK PREDICTION SYSTEM BASED ON DJANGO

Technologies: DJANGO, Python, scikit-learn, HTML and CSS.

- Portal where registered users can add a portfolio for their stocks, view stock related data (graphical representations, indicators etc).
- Long and short term prediction for stock prices using Support Vector Machines, Artificial Neural Networks, Bayesian techniques.

PARALLEL IMPLEMENTATION OF MANDELBROT SET/GAUSS SIEDEL/ N-BODY PROBLEM

Technologies: C++, CUDA, OPENMP

- Faster and scalable versions using OPENMP, CUDA and pthreads implemented on CALIBURN(fastest supercomputer in NJ).

More Projects on Github: @rpandya1990