RAHUL MALWADE

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RELEVANT COURSEWORK:

Operating Systems, Computer Communication Networks, Intro. to Cryptography, Database Systems, Massive Parallel Computing, Cloud Computing, Software Engineering, Cloud Technologies, Cloud Services, Artificial Intelligence.

EDUCATION:

**MS in Computer Science**, Texas A&M University – Kingsville | GPA 3.9/4.0 **May’2020**

**PG-Diploma in System Software Development**- CDAC- Bangalore | GPA 3.6/4.0 **Feb’2015**

**BE in Computer Engineering** , Maharashtra Institute of Technology (MIT), Pune **May’2012**

WORK EXPERIENCE (4.3 years):

**Software Developer Intern,** Ancestry.com Inc, Lehi , Utah **May’19 - Aug’19**

* Developed and integrated middleware to perform chaos testing withing Ancestry internal services.
* Wrote unit tests and resolved codesmells using SonarQube to ensure code quality, vulnerabilities.

**Teaching Assistant,** Texas A&M University,Kingsville  **Sept’18 – Dec’18**

* Taught design patterns, test driven dev and project management tools to undergraduate students.
* Automated and showcased student classroom record with panfas and ggplot data anylytics tools.

**Software Developer, Crusoe Security, Israel** **Jan’18 – Aug’18**

* Created, built and integrated docker images for crusoe microservices.
* Developed and integrated remote desktop Apache guacamole RDP module into web application.
* Explored and initiated development on dynamic scaling of microservices with Kubernetes api.

**Software Engineer,** GDB Technologies Pvt Ltd.,Pune India **Aug’17 – Aug’18**

* Worked with (We-amp.com, a Netherlands based company) where Led the implementation of FastCGI PHP protocol support for open source Apache traffic server in C++.
* Used connection pool or thread local storage configuration mechanism for optimal performance.
* Supported GDB’s wordpress based php website maintenance and updation.

**Associate Software Engineer,** Protegrity R&D,Navi Mumbai,India **Apr’15 to Jul’17**

* Implemented the UI and server side logic for product’s screens like Learn Mode, Log Viewer and certificate/key material.
* Developed utility to work on UI screens which resulted in 50% reduction in development time.
* Co-ordinated with documentatiuon and pre-sales team for product features and demos.

ACADEMIC WORK (Master’s):

* Paper published on **Work absenteeism prediction based on Neural Network**.
* Worked on a research paper on **Kubernetes Scheduler and resource management in cloud** as a parts of master’s curriculum.
* **Project Mobile Isolation**
* Developed an application which can isolate mobile environment to cloud and provides access through mobile browser based remote desktop interface.
* Access will be granted through proxy as a gateway to remote container images from anywhere, providing end to end security to mobile devices.

SKILLS:

**Technologies**: Python (Expert), Javascript (Proficient), C++ (Prior Experience), Java, Golang (Prior Exp)

**Protocols**: TCP/IP, UDP, DNS, SSH, HTTP, HTTPS, RDP , VNC, Google Protobuf

**Web Servers**: Apache Tomcat 7.0, Apache traffic Server, Apache Kafka

**Operating Systems**: Windows, Linux, MacOS, CentOS, Debian, Solaris

**Development Tools**: VIM Editor, Visual Studio 13, VSCode, Dockers, Kubernetes, Microservices, Docker-compose, Apache JMeter, GIT, SVN, TDD tools Mocha, Chai, Karma, Mockito, Jenkins, GNU debugger gdb.