

Amit Pandit

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EXPERIENCE

Bristlecone Ltd

Mumbai, India

Software Engineer I

Jul 2019 – Jul 2021

- Developed an Identity and Access Management web application using React, HTML, CSS following OAuth2.0 protocol to implement an authentication and authorization microservice at scale.
- Translated functional requirements into software designs and automated SDLC using developmental tools like Git for version controlling, Jenkins for CI/CD automation and Jira as a scrum management tool which helped to reduce manual intervention of developers and QA team resulting faster project delivery.
- Worked extensively with Confluence and Graylog that has helped in planning and excellent collaboration among distributed agile teams working remotely in Continuous Integration (CI) and Continuous Deployment (CD).
- Collaborated with cross-functional teams for designing, developing, and deploying project.
- Performed unit and functional tests using Selenium to deliver high quality software.

Software Engineer

Feb 2017 – Jun 2019

- Automated a backup deletion process using shell script which helped to reduce time to delete database backup by 95%.
- Implemented a shell script and helped developing JAVA-GUI to display real time report and verify availability of SAP systems for 13 landscapes with 39 peripheral systems.
- Actively Involved in Disaster recovery system drill of 3 Tier HANA Database, implemented and tested the HANA database operation, upgraded the service pack, installed add-on, created, and maintained client copy, system copy, worked on User data Management.
- Designed, Developed and Tested workload Analysis and performance tuning of JAVA Portal and XML management.
- Implemented end to end migration of old SAP legacy system workbench.
- Performed RFC creation activities to ensure proper communication among system landscape and performed upgradation of Oracle, HANA, SYBASE-ASE and Kernel systems.

EDUCATION

State University of New York, Binghamton

Aug 2021 – May 2023

Masters, Computer Science,

Coursework: Data Structures and Algorithms, Machine Learning, Entrepreneurship, Object-Oriented Programming

University of Pune

Aug 2012 – May 2016

Bachelors, Computer Science

Coursework: Distributed Systems, Object-Oriented Analysis & Design, Big Data, DBMS, Software Engineering

PROJECTS

- **Online FIR Management system:** Developed a web-based application which take a record of online registration of FIR which helps to reduce human work and keeps track of it, checks the process and give alerts to User. Implemented this web application using HTML, JavaScript and MySQL.
- **Detection of IP Spoofing:** Designed and developed a web server platform, where users can detect IP-Spoofing on a basis of Hop-Count Algorithm. Implemented MVC architecture using JAVA, hop-count algorithm which includes (0,1) detection system.
- **Passive IP Traceback:** Developed a Web Based DoS attack detection system which helps to prevent the attack and IP spoofing. Used ICMP error bit to detect the intermediate node which has been attacked. The attacker forges the IP address of intermediate node which is between source and destination implemented using ICMP error bit and block the intermediate node from network.
- **Bookstore inventory:** Developed the bookstore inventory software platform which helps the users to manage book inventory and generate reports based on orders. Implemented RESTful web services using the HTML for User interface, MySQL.

TECHNICAL SKILLS

- **Languages:** C, Python, JavaScript, SQL, React, CSS, HTML.
- **Software:** Eclipse, Atom, Jupyter, Microsoft Office, Putty, Visual Studio.
- **Database:** SAP HANA, SYBASE ASE, Oracle.

Achievements and Awards

- Honored Spot awards twice for end-to end management of HANA Database Drill in Bristlecone India.