Suvarna Mandadi
605 E Bear Blvd, Missouri Springfield 65806
mandadisuvarna2001@gmail.com 417 619 9114

PROFESSIONAL SUMMARY

Software Development Engineer in Testing (SDET) with hands-on experience in test automation, API testing, web development, and cloud technologies. Skilled in designing and implementing automation frameworks, conducting cross-platform testing, and optimizing CI/CD pipelines. Proficient in Appium, Selenium, and Pygame for developing robust testing solutions and interactive applications. Experienced with cloud platforms (AWS, Google Cloud) and full-stack development. Adept at troubleshooting application issues and collaborating with cross-functional teams to deliver high-quality software.

PROFESSIONAL EXPERIENCE

Associate Professional Software Engineer   **Feb 2022 – Dec 2022**
DXC Technology

- Managed end-to-end IaaS projects, including ESXi 6.5 to ESXi 7.0 upgrades, optimizing system performance and deployment.
- Spearheaded the migration of 15,000+ virtual machines across Production and Non-Production environments on Unix and Wintel platforms, achieving zero escalations and seamless transitions.
- Led and optimized a complex database refresh process, achieving 98% accuracy and reinforcing data integrity for banking operations.
- Completed a 5-month intensive training program on Linux and Unix fundamentals, gaining expertise in system administration, shell scripting, and troubleshooting.
- Administered cloud and on-premises infrastructure, ensuring efficient resource allocation and system uptime.
- Proficient in Networking, Unix, Linux, Windows Servers, VMware, and ServiceNow for effective system monitoring and IT service management.
- Collaborated with cross-functional teams to troubleshoot and resolve critical infrastructure issues, ensuring high availability and operational efficiency.

CRM SFDC Intern   **Mar 2022 – May 2022**
Capgemini Technology Services India Limited

- Developed and deployed Salesforce (SFDC) solutions, including Service Cloud and Sales Cloud, enhancing client operations and customer interaction.
- Assisted in the configuration, customization, and deployment of Salesforce solutions to optimize client operations.
- Worked on Salesforce Service Cloud and Sales Cloud modules, ensuring seamless customer interactions and improved sales efficiency.
- Created custom reports and dashboards for performance tracking and business analytics.
- Collaborated with cross-functional teams to troubleshoot and resolve CRM-related issues, ensuring smooth system functionality.
- Gained proficiency in Apex, Visualforce, SOQL, and Lightning Components for Salesforce development.

Web developer Intern   **May 2021 – Oct 2021**
Peace Solutions Pvt Ltd

- Designed and developed a full-stack eCommerce website, implementing user authentication and shopping cart features.
- Built an admin dashboard for clients to manage product inventory, orders, and customer data.
- Utilized React, Node.js, MongoDB, and Express for seamless backend and frontend integration.
- Applied responsive design principles to optimize the user experience across desktop and mobile devices.
- Conducted extensive testing and debugging to enhance website functionality, security, and performance.

EDUCATION

Missouri State University   Springfield, MO
Masters of Science in Computer Science   **Jan 2023- Dec 2024**
- Awarded Mogo Scholarship for outstanding academic achievements.

Vivekanandha College Of Engineering for Women   Tiruchengode, TN
Bachelors Of Science in Computer Science   **June 2018- May2022**

PROJECTS

Automated Mobile Testing using Appium
- Developed automated test scripts using Appium, improving mobile application performance through UI and functional testing.
- Integrated Appium with Selenium and TestNG, enabling a scalable and maintainable mobile automation framework.
- Conducted cross-platform testing on Android and iOS devices, ensuring seamless application compatibility.

Game Development using Pygame
- Designed and developed an interactive game using Python and Pygame, implementing advanced features for an engaging user experience.
- Developed game mechanics, collision detection, animations, and physics-based interactions to enhance gameplay realism.
- Optimized performance using efficient algorithms and memory management techniques, ensuring smooth rendering and responsiveness.
- Implemented sound effects, UI elements, and user input handling, creating an immersive gaming environment.

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- Google Certified Associate Cloud Engineer
- ITIL Foundation in IT Service Management (Axelos)

SKILLS

Programming & Scripting: Java, Python, SQL, Bash, Apex, JavaScript, HTML/CSS.
Testing: Appium, Selenium, JUnit, Postman, RestAssured, JMeter.
Cloud & Infrastructure: AWS, Google Cloud, VMware, Docker, Jenkins, Git.
Web Development: React, Node.js, Express, MongoDB, REST API Development.
Operating Systems: Windows, UNIX, Linux.
Databases & Service Management: PostgreSQL, MySQL, ServiceNow.

PUBLICATIONS

Online Descriptive Examination System Using Natural Language Processing - June 2022
- IJIRE - Online Descriptive Examination System Using Natural Language Processing
- Developed an automated online examination system using machine learning and natural language processing (NLP), aimed at automating question paper generation, answer key creation, and evaluation. The system addresses challenges like resource consumption, human bias, and time constraints, providing a more efficient, scalable, and unbiased solution for conducting exams. This project utilized web technologies to offer a user-friendly, accessible platform for educators to conduct exams seamlessly.