Parvathi Puthedath Joshy

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Summary

- Over 2 years of experience in software development operations, specializing in CI/CD pipeline optimization, automation, and agile project management.
- Proficient in tools like Jenkins, Docker, Git, UrbanCode Deploy, and languages including Python, Java, and C, with a solid understanding of relational databases such as SQL Server and MySQL and web technologies.
- Successfully collaborated with cross-functional teams in agile environments, showcasing excellent communication and problem-solving abilities.

Technical Skills

Programming Languages: Java, C++, Python, C, HTML5, CSS3, XML, JavaScript, Shell, Groovy, Bash.
Databases: MySQL, MongoDB.
Software Tools: Android Studio, Tableau, PowerBI, GitHub, Jira, ServiceNow.
Microsoft Office Tools: MS Excel, MS Outlook, MS PowerPoint, MS Word.
Technologies: UrbanCode Deploy, Jenkins, Rational Team Concert, JFrog Artifactory.
Operating Systems: Windows, Linux/Unix, MacOS

Education

Master of Applied Computing January 2024 - Present
University of Windsor • Windsor, Ontario
GPA: 8.86.

- Available for 4 or 8-month internship starting from January 2025

Bachelor of Technology (Honours), Computer Science and Engineering July 2017 - June 2021
APJ Abdul Kalam Technological University • Ernakulam, Kerala
GPA: 8.43.

Work Experience

Infrastructure Specialist September 2021 - December 2023
IBM India Pvt Ltd • Bangalore, India
Technologies Used: UrbanCode Deploy, Jenkins, GitHub, Rational Team Concert, JFrog Artifactory, Groovy, ServiceNow, Helm, ANT, Maven, Gradle, Docker.

- Completed technical training on DevOps domain in tools including Jenkins, Docker, Kubernetes, Terraform, Ansible, Shell scripting and database technologies.
- Resolved technical issues related to DevOps tools and processes using the extensive CI/CD pipeline.
- Set up pipeline architecture to move code from source code management (SCM) to endpoint servers.
- Configured and optimized build and deployment pipelines using tools such as Helm, ANT, Maven, Gradle, NPM, and Docker to push binaries to Artifactory, enabling it in both cloud and on-premises deployment.
- Troubleshooted and resolved issues encountered during build and deployment process.
- Developed scripts using Groovy, Linux and PowerShell and automated solutions to manage deployment.
- Performed weekly sanity checks on the production servers and generated Microsoft Excel status reports.
- Conducted knowledge transfer sessions to 4 newly onboarded candidates on deployment practices and maintained user documentation on the project tech stack.
- Received Client and Success Partner Award for the Quarter-3 2024 for success in creating a deployment solution for a client problem.

Distributed File System Using Socket Programming June 2024 – August 2024
University of Windsor • Windsor, Ontario
Technologies Used: C, Linux

- Designed and implemented a distributed file system to handle file storage and retrieval across multiple servers.
- Managed a system architecture that allowed up to 10 simultaneous client-server connections with efficient resource handling and error management.
- Developed functionalities for uploading, downloading, deleting, and archiving files, improving system usability and performance.
- **GitHub Link:** https://github.com/parvathijoshi/DistributedFileSystem-SocketProgramming

Property Cost Analysis System January 2024 – April 2024
University of Windsor • Windsor, Ontario
Technologies Used: Java, Selenium, HTML, CSS, JavaScript

- Performed web crawling using Selenium and utilized JSoup for HTML Parsing to extract contents from different property rental websites.
- Created an interface to search properties and implemented multiple features and utilized advanced data structures and algorithms for analyzing property cost across Canada based on provinces, cities, and pin codes.
- **GitHub Link**: https://github.com/parvathijoshi/property-cost-analysis

Currency Detection Application for the Visually Impaired September 2019 - January 2020
APJ Abdul Kalam Technological University • Kerala, India
Technologies Used: Java, OCR, Android Development

- Developed an Android application that uses OCR technology to identify the denomination of currency note and provides result to user as voice output.
- Utilized Unified Modeling Language (UML) to design the system architecture, ensuring clear communication of design elements throughout the development process.

Certifications

- Atlassian Agile Project Management Professional Certificate, Atlassian March 2024
  - **Technologies Used: Agile Software Development, Scrum, SDLC, Project Management, Jira.**
- Microsoft Certified DevOps Engineer Expert - AZ 400. May 2023
- Microsoft Certified Azure Fundamentals - AZ 900. April 2022
- AWS Certified Cloud Practitioner - AWS CCP. February 2022

Publications

Analyzing Gender and Age Aspects of Cyberbullying through Online Social Media October 2021
IEEE: 2021 International Conference on Advances in Computing and Communications (ICACC)
Publication Link: https://ieeexplore.ieee.org/document/9708197
Technologies Used: Python, Selenium, PyCharm, Jupyter Notebook, Machine Learning, Data Science

- Conducted research to identify and categorize cyberbullies by age and gender using MySpace group data labelled for cyberbullying.
- Implemented different machine learning classifier algorithms (SVM, Random Forest, Naive Bayes, etc.) to detect cyberbullies in which binary SVM was found to be the most effective with an Accuracy of 94.3 percent.
- Used IBM Watson Tone analyzer and NLTK library for tone analysis.