

# Vijay Mani Dev Kaluri

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## EDUCATION

### The University of Texas at Dallas

December 2024

Master of Science, Information Technology and Management

3.5/4.0

Amrita Vishwa Vidyapeetham, Coimbatore, India

July 2021

Bachelor of Technology, Computer Science and Engineering

7.5/10

**Relevant Coursework:** Software Engineering (SDLC), Object Oriented Programming, RDBMS, Data Structures and Algorithms, Deep Learning, Cloud Computing, AWS Software as a Service (SaaS), Agile Methodology.

## TECHNICAL SKILLS

**Tools & Technologies:** AWS (EC2, S3, EBS, IAM, EKS, Cognito, Lambda), Docker, Kubernetes, Jenkins, GitLab CI/CD, REST API, Terraform, Ansible, Jira, JFrog Artifactory, MySQL, Django, React JS, Shell Scripting, Bash.

**Certifications:** AWS Cloud Practitioner, Microsoft Technology Associate.

**Programming:** C, C++, Python, Java, PHP, SQL, Shell, Java Script, YAML, Go Lang.

## PROFESSIONAL EXPERIENCE

### Student Web Developer | University of Texas at Dallas (UTD), Dallas, TX

July 2023 – Present

- Handled the tasks of developing and creating Java, MYSQL applications as per the specifications.
- Implemented JavaScript and HTML for UI/UX and PHP, React JS, MySQL for Back-end development.
- Administered and maintained Databases using MySQL and Oracle during various stages of product lifecycle.
- Maintained the code bases for different applications, collaborating within teams and independently developing web applications for UTD.

### DevOps Engineer | Dish Network, Bengaluru, India

July 2021 – January 2023

- Maintained Git workflows for version control (Source Code Management).
- Built and managed Docker containers while maintaining resilient Kubernetes clusters, facilitating seamless deployments across environments.
- Led a team of 12 in evaluating and enhancing their Agile SDLC processes, improving cycle times by 15%.
- Developed a React application for automating DevOps pipeline generation, streamlining processes, and enhancing team efficiency.
- Developed and maintained CI/CD pipelines for 15+ applications, reducing deployment time by 70% and minimizing production issues by 50%.
- Implemented Helm charts to define, version, and manage Kubernetes applications, enabling efficient deployment and scaling of containerized applications.
- Integrated Kubernetes clusters and ansible play books in Jenkins and GitLab CI/CD flow
- Architected cloud infrastructure using AWS, Docker, Kubernetes, Terraform, and Ansible, achieving a 25% improvement in system scalability and reliability.
- Implemented quality gates in SonarQube, integrated with Jenkins and GitLab CI/CD pipelines to enforce code quality standards and automatically fail builds when conditions are not met.
- Configured Argo CD for real-time visualization of application deployment status, enabling automatic rollback in case of failures, ensuring Kubernetes cluster reliability and high availability.
- Demonstrated a strong comprehension of essential DevOps principles and practices, enabling effective collaboration between development and operations teams.
- Worked on Linux Server Virtualization by creating Linux VMs for Server Consolidations.

### Full Stack Developer (Intern) | Cognizant, Coimbatore, India

March 2021 – June 2021

- Experienced in building robust Java applications with Spring Framework, emphasizing microservices architecture for scalability and efficiency.
- Proficiently managed MySQL databases to support high-performance data storage and retrieval.
- Experience in automation and scripting using languages such as Python and Bash to develop.

## PROJECTS

### E-Commerce Web application:

- Developed and launched an E-commerce web app using Python, MySQL, HTML, CSS, and JavaScript.
- Developed server-side scripts using REST-API's and managed Relational database operations with MySQL, ensuring efficient data handling and security, demonstrating experience with RDBMS.
- Integrated AWS EC2 for scalable and reliable application performance, supporting over 500 simulated user transactions, demonstrating proficiency in web development and cloud infrastructure management.