CHETHAN KACHAM

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WORK EXPERIENCE

DreamStudio   **Atlanta, GA**
Full Stack Developer/DevOps Engineer   *Aug 2024 – Present*

- Built Feed Player components using ReactJS, adhering to modular and scalable design principles.
- Developed APIs to fetch and display images dynamically in the Feed Player and homepage, reducing data load time by 20% and improving content management efficiency.
- Implemented DAO repositories for microservices using Spring Data JPA, ensuring efficient data persistence in MySQL.
- Automated the deployment process for a NextJS application on AWS, ensuring efficient and consistent delivery.

Wipro Limited   **Bangalore, India**
Senior Software Engineer   *Jun 2019 – Aug 2024*

- Designed UI components and programmed APIs for the Digital Rig application, automating DevOps processes and reducing manual intervention by 35%, utilizing the MERN stack (ReactJS, NodeJS, MongoDB).
- Developed APIs for financial applications, Credit Card - Eligibility Validator and Cash Back, using the Spring framework, enhancing functionality and user experience while reducing service response times by 25%.
- Engineered dynamic user interface components using ReactJS, optimizing performance, usability, and responsiveness for interactive web applications.
- Proficient in Docker image creation, created and managed Docker containers, optimizing application deployment using Kubernetes for scalability and reliability.
- Implemented APIs for applications increasing backend processing efficiency by 40% using Spring Boot, focusing on scalable and maintainable backend architecture.
- Written Python scripts to integrate OpenShift REST APIs, automating tasks and improving system reliability by 30%.
- Designed Jenkins-based CI/CD pipelines, reducing deployment times by 75% and improving release reliability.
- Automated CRUD operations in OpenShift using Groovy scripts, saving over 10 hours of manual effort per week.
- Proficient in administration and support tasks in Ansible Tower, including the development of ansible playbooks.
- Automated cloud infrastructure provisioning with Terraform, ensuring consistent and efficient resource management.
- Launched AWS services, including CodePipeline, CodeBuild, and Lambda, achieving a 25% reduction in software release time.
- Orchestrated the management of services in OpenShift, overseeing tasks encompassing node management to the deployment of pods in both run and build clusters.
- Configured and monitored Dynatrace for application performance, identifying and resolving issues 20% faster.
- Troubleshooted ServiceNow tickets to maintain the functionality of DevOps tools, addressing incidents and service requests.
- Worked in Agile teams, improving sprint delivery efficiency by 15% through task management and collaborative planning.
- Written Cron jobs using shell scripting to schedule and automate recurring system tasks, including generation of daily reports.

SKILLS

Computer Languages	Java, Python, C#, Groovy
Web Languages	ReactJS, NodeJS, NextJS, JavaScript, HTML, CSS
Cloud Services	AWS, Azure
Databases	MySQL, MongoDB, PostgreSQL
DevOps Tools	Docker, Jenkins, Terraform, Kubernetes, Ansible, OpenShift, Git, Dynatrace, JIRA, Ansible Tower

CERTIFICATES

- AWS Certified Developer Associate, AWS Certified Cloud Practitioner
- Microsoft Certified - Azure Administrator Associate, Microsoft Certified - Azure Fundamentals
- Java Back End Developer Certified, DevOps Professional Certified, ReactJS Front End Developer Certified - Wipro

EDUCATION

University of Central Missouri   **Lees Summit, MO**
Master of Science in Computer Science   *Aug 2022 – May 2024*

Jawaharlal Nehru Technological University   **Hyderabad, India**
B. Tech. in Electronics & Communication Engineering   *Aug 2015 – May 2019*

ACADEMIC PROJECTS

Product Inventory Management – ReactJS, NodeJS, MongoDB, AWS

- Created a Product Inventory Management system with ReactJS, NodeJS, MongoDB, and deployed on AWS, with features like inventory tracking, user authentication, CRUD operations and data visualizations that enhanced decision making speed by 25%.

Prediction Of Stock Market – Python, Machine Learning, Pandas, NumPy, ARIMA, GARCH

- Constructed a project to predict the S&P500 closing index using various machine learning regression algorithms and multi-scale data analysis, to enhance investment decision-making and provide socio-economic and academic research value.

ACHIEVEMENTS

- Awarded as the 'Best Employee of the Quarter' for Q4 FY21 and Q1 FY22.
- Received client accolades for consistently exceeding service delivery expectations, contributing to a 99% satisfaction rate.