

Raman K

Location.: Bangalore

Bachelor of Engineering

Jayalakshmi Institute Of Technology, Dharmapuri

+91-9606771989

✉ ramankms767@gmail.com

🌐 <https://github.com/ramankrishnan/>

🌐 LinkedIn Profile

PROFESSIONAL EXPERIENCE

AWS APAC Solutions Architecture Virtual Experience Program

Forage (AMAZON)

- Designed a simple and scalable hosting architecture using AWS Elastic Beanstalk for a client facing growth and response time challenges.
- Provided a clear explanation of the proposed architecture to ensure the client understood its functionality and cost structure.

Besant Technology

- Designed and executed CI/CD pipelines for multiple projects, resulting in a 30% reduction in deployment time.
- Orchestrated infrastructure using AWS services such as EC2, S3, and Route 53, ensuring high availability and scalability.
- Implemented Docker for containerization, reducing server overhead by 40%.
- Collaborated with development teams to optimize application performance and scalability.

PROJECTS

Cricket Players Profile System

- Developed a web application for cricket player profiles using HTML/CSS, contributing to 100% of the frontend development.
- Implemented Jenkins for CI/CD, achieving a 95% automated build and deployment process.
- Containerized the application using Docker, resulting in a 90% reduction in deployment time.

Netflix Clone App

- Created a Netflix-like web app using HTML/CSS, contributing to 90% of the frontend development.
- Deployed Kubernetes, Jenkins, Maven, and Docker for deployment, contributing to 80% of the deployment process.
- Established SonarQube, Prometheus, and Node Exporter for monitoring, contributing to 70% of the monitoring setup.

System Monitoring App

- Developed a system monitoring web app using HTML/CSS, contributing to 100% of the frontend development.
- Utilized Jenkins for CI/CD, achieving a 95% automated deployment process.
- Leveraged Docker for containerization, resulting in a 90% reduction in deployment time.
- Implemented backend functionality with Python, completing 80% of the data processing features.

TECHNICAL SKILLS AND INTERESTS

- **Languages:** Python, Shell Scripting, YAML
- **Cloud Platforms:** AWS (EC2, S3, RDS, Lambda, VPC, Route 53)
- **DevOps Tools:** Jenkins, Docker, Kubernetes, Git, GitHub, Ansible, Terraform
- **Monitoring Tools:** Prometheus, Grafana, SonarQube
- **Configuration Management:** Ansible
- **Version Control:** Git, GitHub
- **Web Technologies:** HTML, CSS, JavaScript
- **Databases:** MongoDB, MySQL
- **Relevant Coursework:** Cloud Computing, DevOps Practices, Infrastructure as Code, Network Security
- **Areas of Interest:** Cloud Computing, Continuous Integration/Continuous Deployment (CI/CD), Infrastructure Automation, Cloud Security
- **Soft Skills:** Problem Solving, Self-learning, Communication, Adaptability

KEY STRENGTHS

- **Advanced Troubleshooting:** Skilled at resolving complex technical issues to improve system reliability and customer satisfaction.
- **Customer Focus:** Dedicated to addressing customer needs effectively and fostering strong client relationships.
- **Cross-functional Collaboration:** Effective in partnering with engineering teams on process improvements and customer support initiatives.

EDUCATION

- **Bachelor Degree in Mechanical Engineering**
Jayalakshmi Institute Of Technology, Dharmapuri CGPA: 6.5

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate (2022)
- DevOps Certification, Besant Technologies (2022)
- AWS APAC Solutions Architecture Virtual Experience Program, Forage (2024)
- Introduction to Cloud, IBM (2024)
- Docker Essentials, IBM (2024)

ADDITIONAL INFORMATION

- **Languages:** Fluent in English and Tamil

VOLUNTEER EXPERIENCE

- **Event Organizer**
College Cultural Fest – Jayalakshmi Institute of Technology
 - Coordinated logistics and managed a team of volunteers to organize a large-scale cultural festival attended by over 500 students.
 - Collaborated with faculty and student councils to ensure smooth event execution and resolve on-site issues.
 - Promoted the event through social media and campus announcements, increasing student participation.